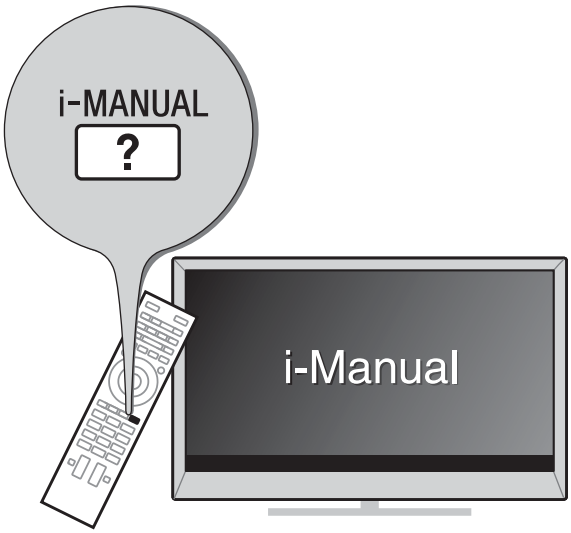
SONY

Television
Téléviseur

Operating Instructions (Setup Guide) US

Mode d'emploi (Guide d'installation) FR



Sony Customer Support

U.S.A.:
http://www.sony.com/tvsupport
Canada:
http://www.sony.ca/support

United States 1.800.222.SONY
Canada 1.877.899.SONY

Please Do Not Return the Product to the Store

Service à la clientèle Sony

Canada :
http://support.sony.ca/fr
États-Unis :
http://www.sony.com/tvsupport

Canada 1.877.899.SONY
États-Unis 1.800.222.SONY

Ne retournez pas le produit au magasin

BRAVIA

KDL-48W600B / 48W590B / 48W580B / 40W600B / 40W590B / 40W580B

Owner's Record

The model and serial numbers are located at the side and rear of the TV. Record these numbers in the spaces provided below. Refer to them whenever you call upon your Sony dealer regarding this TV.

Model Name

Serial No.

CAUTION

To prevent electric shock and blade exposure, do not use this AC plug with an extension cord, receptacle or other outlet unless the blades can be fully inserted.

- Operate the TV only on DC 19.5 V (with AC adapter)

Licensing Information

The terms HDMI and HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries.

Fergason Patent Properties, LLC:
U.S. Patent No. 5,717,422
U.S. Patent No. 6,816,141

Manufactured under license from Dolby Laboratories. Dolby and the double-D symbol are trademarks of Dolby Laboratories.

"Blu-ray Disc", "Blu-ray" and "Blu-ray Disc" logo are trademarks of Blu-ray Disc Association.

"BRAVIA" and BRAVIA, S-Force, Motionflow, BRAVIA Sync, and are trademarks or registered marks of Sony Corporation.

DLNA®, the DLNA Logo and DLNA CERTIFIED® are trademarks, service marks, or certification marks of the Digital Living Network Alliance.

TrackID is a trademark or registered trademark of Sony Mobile Communications AB.

Music and video recognition technology and related data are provided by Gracenote®. Gracenote is the industry standard in music recognition technology and related content delivery. For more information, please visit www.gracenote.com.

CD, DVD, Blu-ray Disc, and music and video-related data from Gracenote, Inc., copyright © 2000-present Gracenote. Gracenote Software, copyright © 2000-present Gracenote. One or more patents owned by Gracenote apply to this product and service. See the Gracenote website for a non-exhaustive list of applicable Gracenote patents.

Gracenote, Gracenote eyeQ, Gracenote VideoID, Gracenote Video Explore, Gracenote MusicID, the Gracenote logo and logotype, and the "Powered by Gracenote" logo are either registered trademarks or trademarks of Gracenote in the United States and/or other countries.

Opera® Devices SDK from Opera Software ASA. Copyright 1995-2014 Opera Software ASA. All rights reserved.

Wi-Fi, Wi-Fi Direct and Miracast are trademarks or registered trademarks of Wi-Fi Alliance.

"Sony Entertainment Network logo" and "Sony Entertainment Network" are trademarks of Sony Corporation.

MHL, Mobile High-Definition Link and the MHL Logo are trademarks or registered trademarks of MHL Licensing, LLC.

For DTS patents, see http://patents.dts.com. Manufactured under license from DTS Licensing Limited. DTS, the Symbol, & DTS and the Symbol together are registered trademarks, and DTS Digital Surround is a trademark of DTS, Inc. © DTS, Inc. All Rights Reserved.

Designed with UEI Technology™ Under License from Universal Electronics Inc. Portions © UEI 2000 - 2013

Your BRAVIA TV is ENERGY STAR® qualified in the default mode. It meets strict energy efficiency guidelines set by the U.S. Environmental Protection Agency and Department of Energy. ENERGY STAR is a joint program of these government agencies, designed to promote energy efficient products and practices.

Changes to certain features, settings, and functionalities (when available) of this TV (i.e. Picture/Sound, Light Sensor, Power Savings, Picture Scene/Mode, Auto Display, Shop Front Display Settings) can increase or change the power consumption.

The “Auto” and “General” picture scenes are default settings optimized for the input signal selected. Your BRAVIA TV is tested in these settings for ENERGY STAR qualification.

Depending upon such changed settings, the power consumption may exceed the limits required for the ENERGY STAR qualification in the default mode.

The 48 class has a 47.6 inch viewable image size (measured diagonally).

Location of the identification label

Labels for the TV Model No., Power Supply rating (in accordance with applicable safety regulation) and Manufacturing date are located on the rear of the TV. Labels for the AC adapter Model No. and Serial No. are located on the bottom of the AC adapter.

✍

- Instructions for “Installing the TV to the Wall” are included in this manual.
- The illustrations of the remote control used in this manual are of the RM-YD103 unless otherwise stated.
- The illustrations used in this manual may differ depending on your TV model.
- Retain this manual for future reference.

The BRAVIA® Full HDTV Experience

Thank you for choosing Sony! Your new BRAVIA® TV opens the door to the "Full HDTV Experience." This document will help you get the most out of your TV.
Please take a moment to register your TV at:
U.S.A.: http://productregistration.sony.com
Canada: http://www.sony.ca/registration

Four Steps to a Full HD Experience

Set, Source, Sound, and Setup.

1 Set

Now that you have made the best selection in LED backlit LCD TV technology, be sure to remove all accessory contents from the packaging before setting up your TV.

2 Source

To experience the stunning detail of your **BRAVIA** TV, you need access to HD programming.

- Upgrade your signal or content source to high-definition (HD) by contacting your HD service provider.
- Receive over-the-air HD broadcasts with an HD-quality antenna connected directly to the back of your TV. Visit **http://www.antennaweb.org** for more information on antenna selection and setup.
- Discover the wealth of entertainment now available on super-high resolution Blu-ray Disc™ player and other Sony HD equipment.

3 Sound

Complete the high-definition experience with a **BRAVIA** Sync™ surround sound system or A/V receiver from Sony.

4 Setup

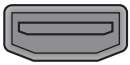
Install your TV and connect your sources. See page 11 for sample connection diagrams. To help assure the highest quality for your HD experience, use Sony HDMI (High-Definition Multimedia Interface) cables.

To learn more about HDTV, visit:

U.S.A.: http://www.sony.com/HDTV
Canada: http://www.sony.ca/hdtv

This TV displays all video input signals in a resolution of 1,920 dots × 1,080 lines.

The following chart shows the high-definition (HD) and standard-definition (SD) video formats supported by your **BRAVIA** TV inputs.

	INPUT	VIDEO	AUDIO	SUPPORTED FORMATS 1080/24p/30p	1080p*1	1080i	720/24p/30p	720p*1	480p	480i	PC*2
HD	HDMI			✓	✓	✓	✓	✓	✓	✓	✓
HD	COMPONENT	Y P_B P_R	Audio L/R		✓	✓		✓	✓	✓	
SD	VIDEO	Composite video connection	Audio L/R							✓	

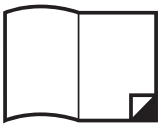
*1 For details of supported formats, refer to the "Specifications" in this manual.
*2 For supported PC formats refer to the i-Manual.

About this manual (Operating Instructions)

This manual explains how to setup your TV. For more information on how to use your BRAVIA TV, refer to the “Electronic manual”.

Operating Instructions

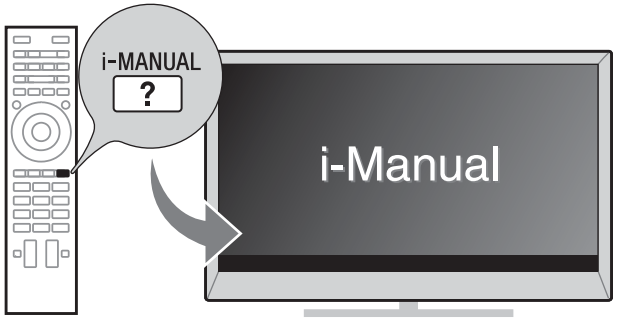
Explains how to setup your TV such as connections, initial setup, and basic operations.



For more information, press the **i-MANUAL** button

Electronic manual (i-Manual)

Explains how to use all the features. See page 26 on how to use the i-Manual.



Images and illustrations used in this manual may differ from the actual screen.

Table of Contents

Getting Started

Checking the accessories....8
Inserting batteries into the remote control....8
Before setting up your TV....9
1: Attaching the Table-Top Stand....10
2: Connecting the TV....11
3: Securing the TV....17
4: Bundling the cables....18
5: Connecting the TV to the Internet....19
6: Running initial setup....20
Watching TV....21
Using the remote control....21

Using Your BRAVIA TV

Discovering the contents you like (Discover)....23
Enjoying social networking while watching TV (Social Viewing)....23
Selecting various contents and tools (Home Menu)....24

Looking for Instructions

Looking for instructions in the electronic manual (i-Manual) ▶...26

Additional Information

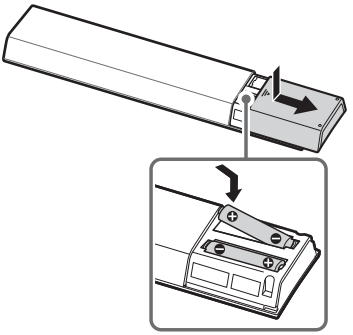
Troubleshooting....28
How to care for your BRAVIA TV....30
Specifications....31
Installing the TV to the Wall....33
Installing the TV against a wall or enclosed area....39
Safety Information....40

Checking the accessories

Remote control (1)*
Size AAA batteries (2)
AC power cord (1)
AC adapter (1)
Cable holder (3)
Table-Top Stand (1)*
Fixing screws for Table-Top Stand (M5 × 20) (2)
Operating Instructions (this manual) and other documents
Wall-Mount Adapter accessories

* Refer to the model name printed on the remote control.

Inserting batteries into the remote control

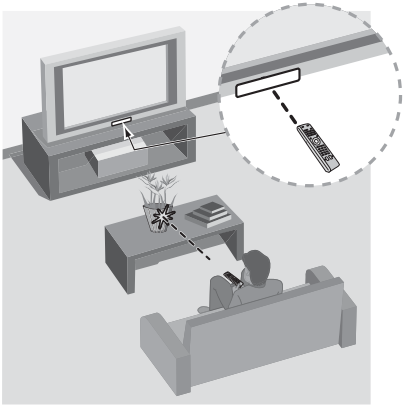


1 Remove the protection sheet.

2 Push and slide the cover to open.

■ Guidelines for Remote Control

- Point your remote control directly at the IR sensor located on your TV.
- Make sure that no objects are blocking the path between the remote control and the IR sensor on your TV.



- Fluorescent lamps can interfere with your remote control; try turning off the fluorescent lamps.
- If you are having problems with the remote control, reinsert or replace your batteries and make sure that they are correctly inserted.

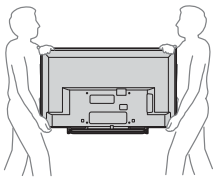
Before setting up your TV

US

Some TV models are packaged with a detached Table-Top Stand so you can mount your TV to a wall right away. See page 33 (Installing the TV to the Wall) if you want to mount the TV to a wall. If you are not mounting the TV to a wall, you will need to attach the Table-Top Stand. You will need a Phillips screwdriver (not supplied) and the supplied screws to complete the task. Look for the supplied Table-Top Stand instruction leaflet.

Be sure to consider the following while setting up your TV:

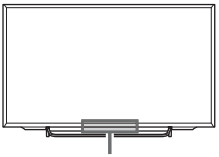
- Disconnect all cables when carrying the TV.
- Carry the TV with the adequate number of people; larger size TVs require two or more people.
- Correct hand placement while carrying the TV is very important for safety and to avoid damage.



- Ensure your TV has adequate ventilation, see page 39.
- For best picture quality, do not expose the screen to direct illumination or sunlight.
- Avoid installing the TV in a room with reflective wall and floor materials.
- Avoid moving the TV from a cold area to a warm area. Sudden room temperature changes may cause moisture condensation. This may cause the TV to show poor picture and/or poor color. Should this occur, allow moisture to evaporate completely before powering the TV on.

(Continued)

- Ensure that there are no objects in front of the TV.



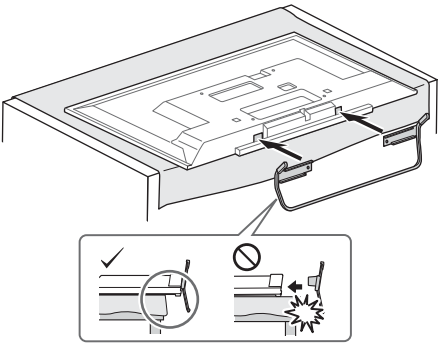
IR Sensor

1: Attaching the Table-Top Stand

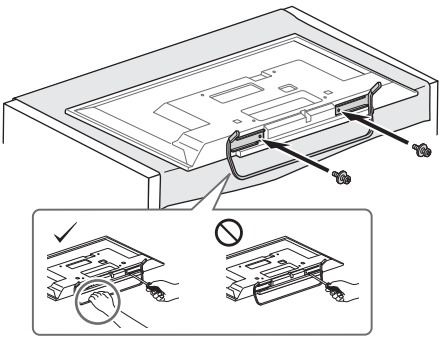
Refer to the supplied Table-Top Stand leaflet for proper attachment.

- Do not put stress on the LCD panel or the frame around the screen.
- Be careful to not pinch your hands or the AC power cord when you install the TV set to the Table-Top Stand.

1 Attach the Table-Top Stand to the TV.



2 Fix the TV to the Table-Top Stand using the supplied screws.



✍
- If using an electric screwdriver, set the torque at approximately 1.5 N·m {15 kgf·cm}.

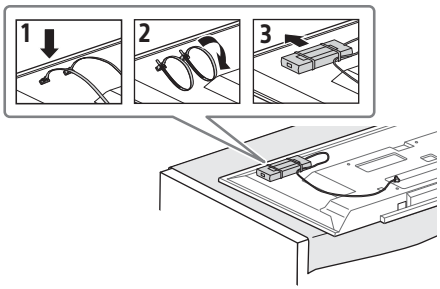
Detaching the Table-Top Stand from the TV

To detach the Table-Top Stand from the TV, remove the screws fixed in step 2.

✍
- Do not remove the Table-Top Stand for any reason other than to install corresponding accessories on the TV.
- When removing the Table-Top Stand from the TV, lay the display face down on a stable work surface that is larger than the TV.
- To prevent damaging the surface of the LCD display, make sure to place a soft cloth on the work surface.
- Be sure the TV is vertical before turning on. To avoid uneven picture uniformity do not power on the TV with the LCD panel facing down.
- When attaching the Table-Top Stand again, be sure to fasten the screws (previously removed) to the original holes on the rear of the TV.

Bundling the AC adapter

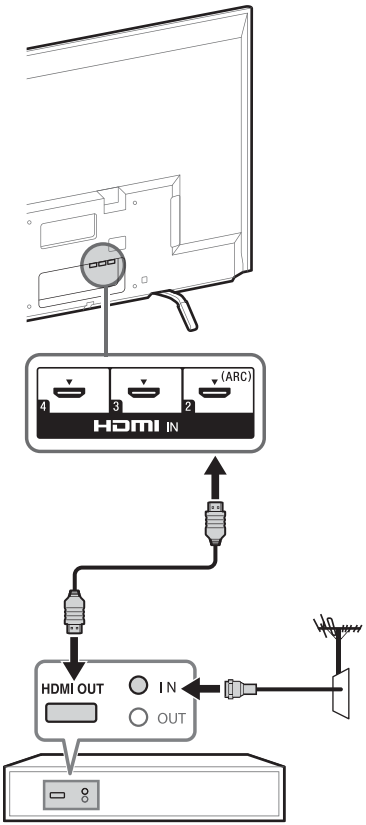
✍
- You can bundle the AC adapter as an optional step. Do not bundle it for any reason other than to wall-mount the TV.
- Make sure that the label is facing outwards when bundling AC adapter.



2: Connecting the TV

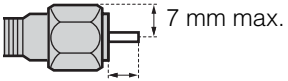
✍
- Use an antenna cable connector no greater than 14 mm thick.
- When connecting the cable to the Cable/ Antenna, input finger tighten only, over tightening the connection can damage the TV.
- Before moving the TV, disconnect all of the cables connected to the TV to prevent damaging the TV when it is moved.
- Use an HDMI cable connector within 12 mm (thickness) × 21 mm (width).
- For more information on connections, refer to the i-Manual.

■ Shown with a Set Top Box with HDMI connection



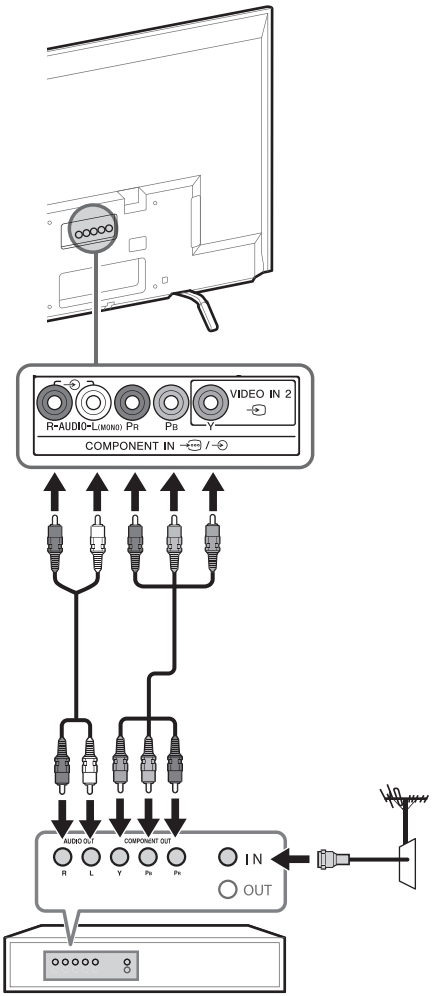
Set Top Box

Recommendation for an F type plug
Projection of the inner wire from the connection part must be less than 1.5 mm.



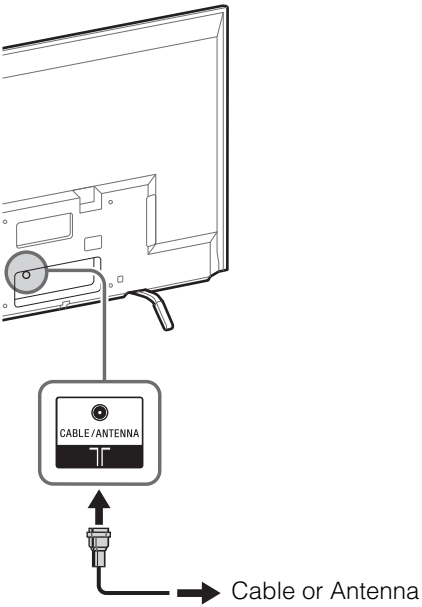
(Reference drawing for an F type plug)

■ Shown with a Set Top Box with COMPONENT connection

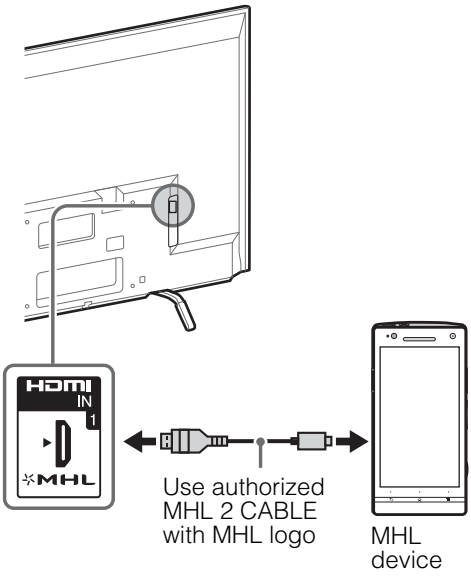


Set Top Box

■ Cable System or VHF/UHF Antenna System



■ Shown with MHL device with MHL connection

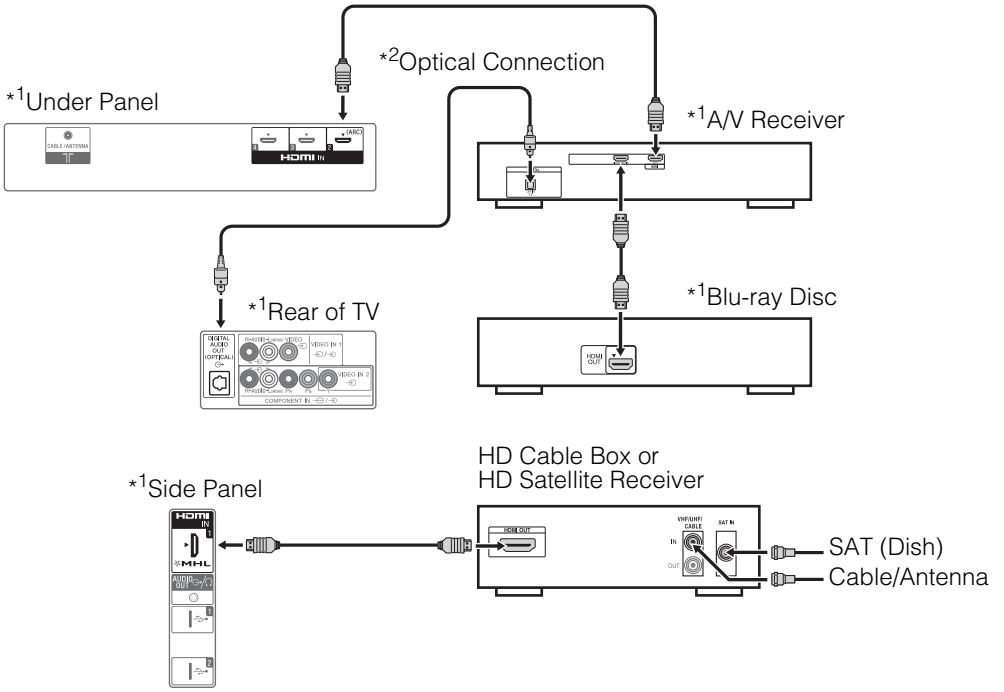


The TV simultaneously charges the MHL-compatible connected device while playing photo/music/video files. You can use the TV remote control to control the connected MHL-compatible device.

✍

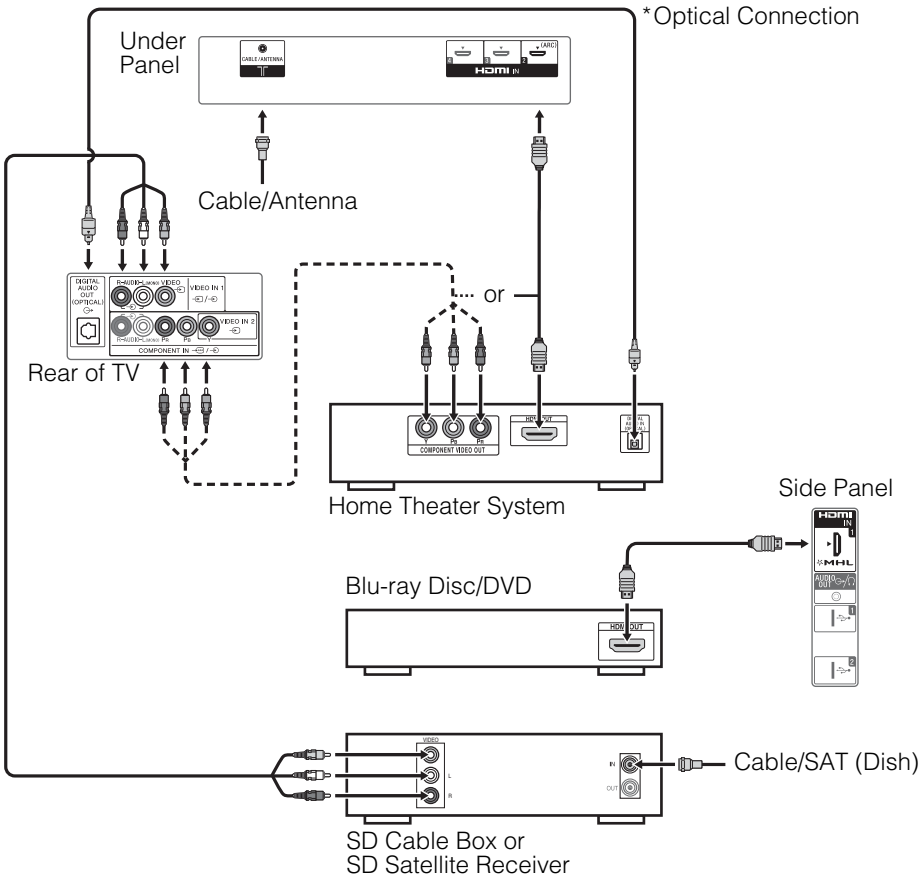
- If **Auto Input Change (MHL)** is set to **On**, the TV automatically switches to HDMI IN 1/MHL from other input when MHL-compatible device is connected to HDMI IN 1/MHL jack. The availability of **Auto Input Change (MHL)** depends on whether the MHL-compatible device can support this feature.
- If **Charge MHL during Power Off** is set to **On**, you can continue charging the MHL-compatible device even when the TV is in standby mode.

■ Shown with HD BRAVIA® Sync™ Basic Connection



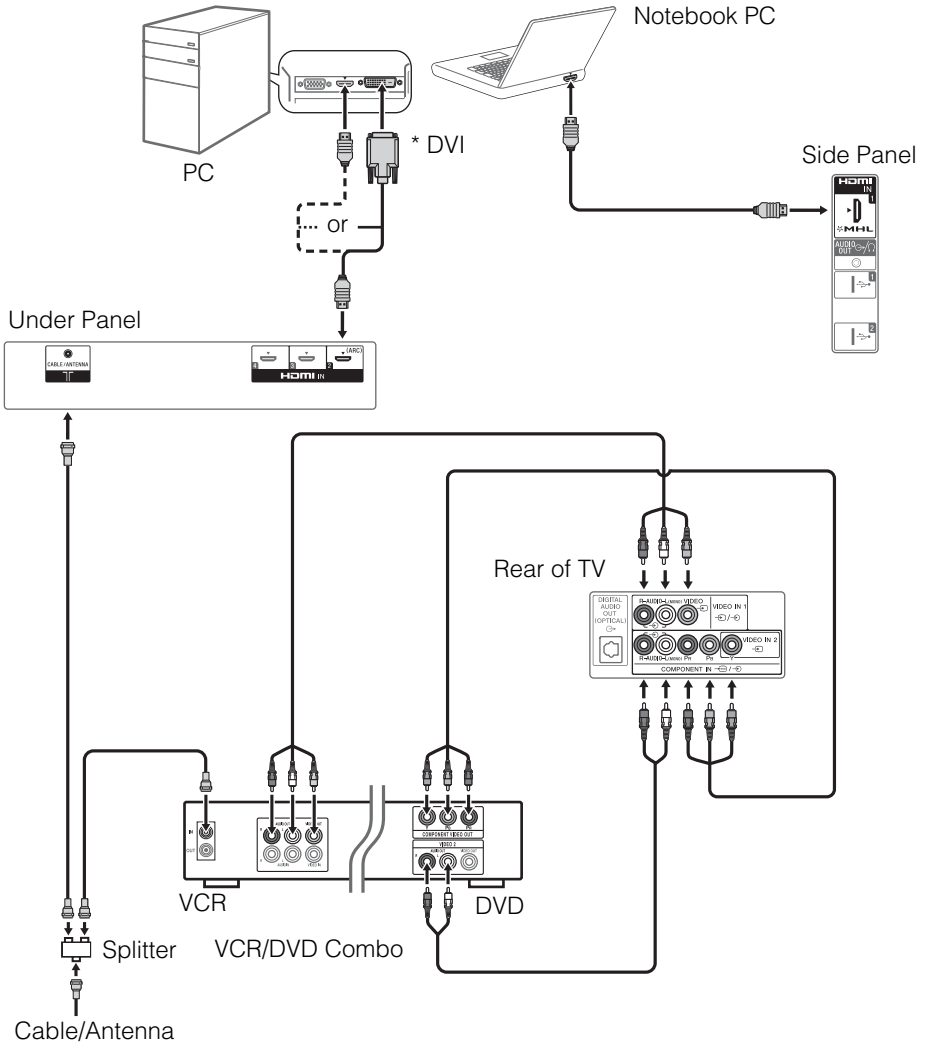
*1 Signifies a BRAVIA Sync capable device.
*2 The optical connection is only needed for A/V receivers that do not support ARC (Audio Return Channel).
Set the speaker settings to audio out, press **HOME**, then select **Settings** → **Sound** → **Speakers** → **Audio System**.
Set the HDMI CEC settings on the TV and AV receiver to allow for system audio control for ARC connections.

■ Shown with HD Basic Connection with Home Theater System



* The optical connection is only needed for home theater system that do not support ARC (Audio Return Channel) when connecting with HDMI.
Set the speaker settings to audio out, press **HOME**, then select **Settings** → **Sound** → **Speakers** → **Audio System**.
Set the HDMI CEC settings on the TV and AV receiver to allow for system audio control for ARC connections.

■ Shown with PC Connection with SD VCR/DVD



* DVI does not support audio signals. Connect the audio output of the PC to the PC speakers or an A/V receiver to listen to sound from the PC.

3: Securing the TV

Sony strongly recommends taking measures to prevent the TV from toppling over. Unsecured TVs may topple and result in property damage, serious bodily injury or even death.

Preventing the TV from Toppling

- Secure the TV to a wall and/or stand.
- Do not allow children to play or climb on furniture and TV sets.
- Avoid placing or hanging items on the TV.
- Never install the TV on:
  - slippery, unstable and/or uneven surfaces.
  - furniture that can easily be used as steps, such as a chest of drawers.
- Install the TV where it cannot be pulled, pushed, or knocked over.
- Route all AC power cords and connecting cables so that they are not accessible to curious children.

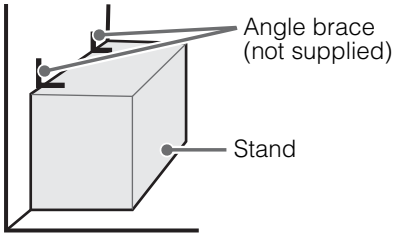
Recommended Measures to Secure the TV

Consider the following measures when securing your TV to a Stand (not supplied).

1 Secure the Stand for the TV.

Make sure the Stand can adequately support the weight of the TV. Use two angle braces (not supplied) to secure the stand. For each angle brace use the appropriate hardware to:

- Attach one side of the angle brace to the wall stud.
- Attach the other side to the Stand.

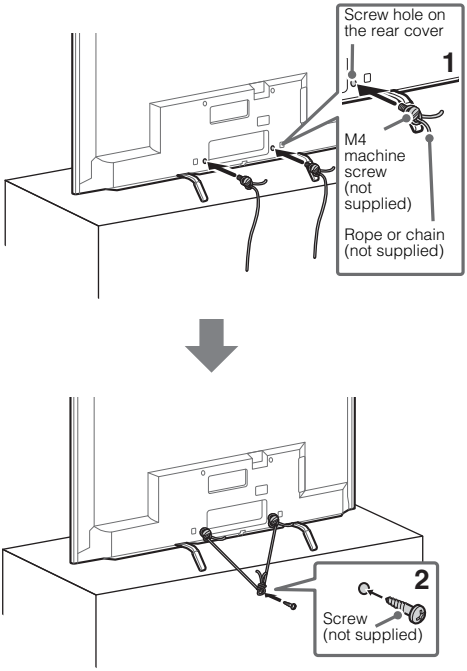


US

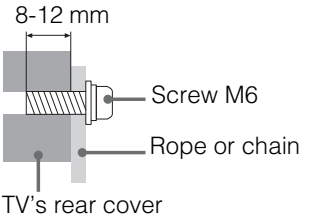
2 Secure the TV to the Stand.

Use the optional hardware listed as follows (not supplied):

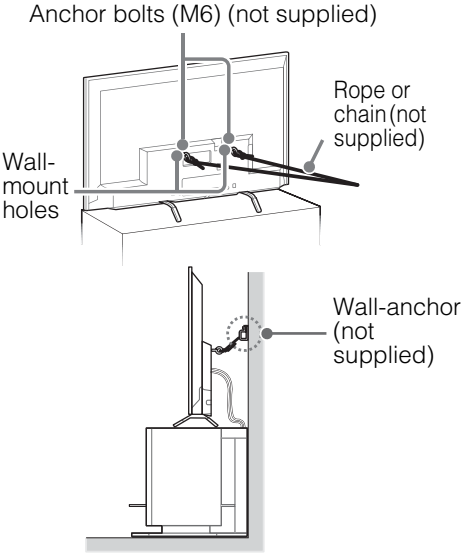
- M4 machine screw (screwed into the TV's rear cover)
- A screw or similar (attach it to the Stand)
- Rope or chain (strong enough to support the weight of the TV). Make sure that there is no excess slack in the rope or chain.



The length of the M6 machine screw differs depending on the rope or chain diameter. Please see below illustration.



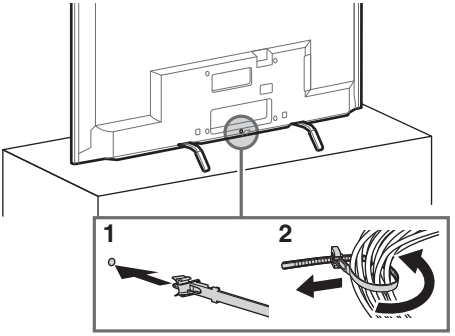
3 Anchor the TV to the wall by using bolts, wall anchor and chain (or rope).



✍
- Your TV is shipped with screws attached to the rear of the TV depending on the TV model. (They are fastened in the screw holes for wall mounting.) Be sure to remove the upper two screws prior to anchoring the TV to a wall.
- Securing the TV to the stand without securing the TV and the stand to the wall provides minimum protection against the TV toppling over. For further protection, be sure to follow the three measures recommended.

4: Bundling the cables

✍
- Do not bundle the AC power cord together with other cables.



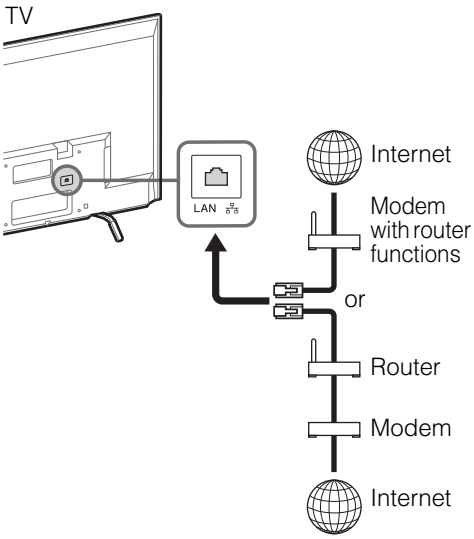
5: Connecting the TV to the Internet

When you connect this TV to the Internet, you can enjoy multiple functions. For details on the functions, refer to the i-Manual.

✍

- You will need to contract with an Internet service provider to connect to the Internet.

Preparing a wired network

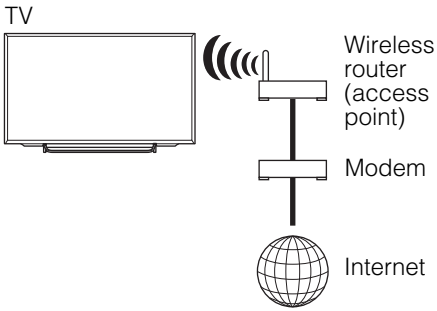


✍

- For LAN connections, use a Category 7 cable (not supplied).

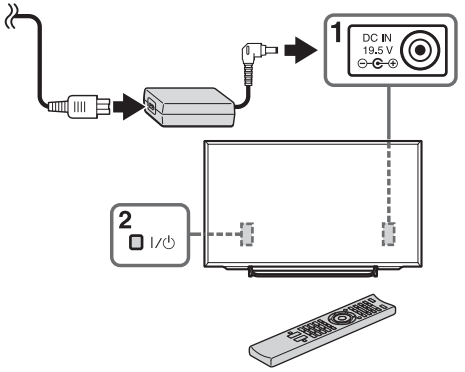
Preparing a Wi-Fi connection

The built-in Wi-Fi device allows you to access the Internet and your home network. With this feature, you can connect to a wireless network and enjoy the benefits of networking in a cable-free environment. Before setting up the Wi-Fi function of the TV, be sure to set up a wireless router (access point).



US

6: Running initial setup



1 Complete your cable connections before proceeding with the **Initial Setup**. Connect the AC power cord to the AC adapter and plug the DC cable into the DC IN 19.5 V terminal. Then, connect the AC adapter to your nearest power outlet.

2 Press I/⏻ on the TV. The LED indicator will light up in green.

When you switch on the TV for the first time, the Language menu appears on the screen.

3 Press ↑/↓/←/→ to select an item, then press ⊕.

Follow the instructions on the screen.

4 Set up the Internet connection by selecting **Wi-Fi** or **Wired LAN**. If you will not be using the network features of the TV, or to set up later, select **Skip**.

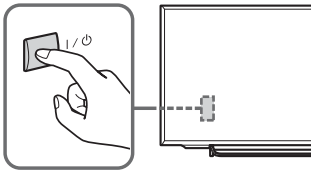
✍
- The TV will automatically detect and setup the network when a wired connection is made before the initial setup.
- For customers who need to setup their network connection with a Static IP address and/or a Proxy server, select **Skip**. After completing the initial setup, press **HOME**, then select **Settings** → **Network** → **Network Setup** → **Set up network connection** → **Expert**.
- If you use WEP security, select **Wi-Fi** → **Connect by scan list**. Then, select the network name (SSID) you want to connect to. If you cannot find the required network name, select **[Manual Entry]** and press ⊕ to enter network name.
- To perform **Network Setup** later, press **HOME**, then select **Settings** → **Network** → **Network Setup**.
- The TV will automatically search for a software update after the network is setup and will try to automatically detect your region.

5 Scan for available channels using the TV's built-in tuner by selecting **Built-in Tuner** → **Auto**. If you will be using a cable box or satellite receiver and do not wish to use the TV's built-in tuner select **Set Top Box**. If you do not wish to use the TV's built-in tuner or a set top box, select **Skip**.

Watching TV

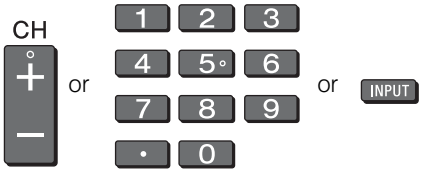
1 Turn on the TV.

Press I/⏻ on the TV or **POWER** on the remote control to turn on the TV.
The illumination LED will light up in white.



or

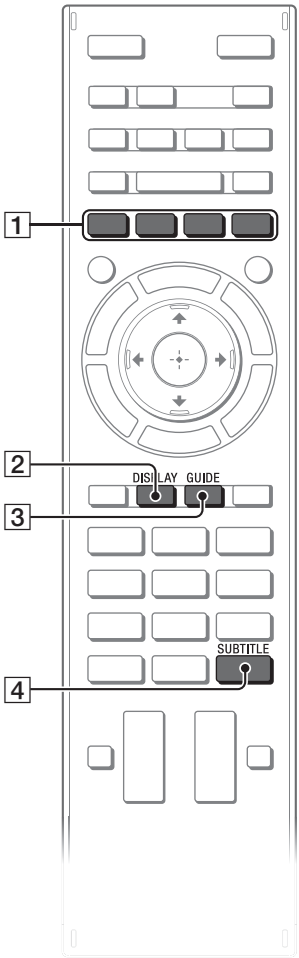
2 Select a TV channel or select an input.



■ To select digital channels

Use **0-9** and • . For example, to enter channel 2.1:
Press 2 , • and 1 , then press ⊕.

Using the remote control



US

■ Frequently used buttons

1 Color buttons

When the color buttons are available, an operation guide appears on the screen.

2 DISPLAY

Displays channel number, program details, and the clock.

3 GUIDE

Displays the digital program guide. (For an Antenna signal only and availability depends on your TV model/ region/country)

4 SUBTITLE/CC

You can turn closed captions/subtitles on/off.

Discovering the contents you like (Discover)

You can use Discover to search for content (such as TV programs, Internet contents, etc.). Contents that appear in Discover vary depending on your TV model/region/country.

1 Press DISCOVER.

2 Press ↑/↓ to select the desired category.

3 Press ←/→ to select the desired item, then press ⊕.

The selected content is displayed.

Enjoying social networking while watching TV (Social Viewing)

Social Viewing brings the benefits of social networking to your TV viewing experience. Press **SOCIAL VIEW** to enjoy chatting with friends while watching TV. The available features in Social Viewing may vary depending on your TV model/region/country. You will need a broadband Internet connection. For details, see page 19 (5: Connecting the TV to the Internet). Then, go to **Network Setup** and follow the on-screen instructions to connect your TV to the Internet.

✍

- You may need to update the TV's software to use this function. Press **HOME**, select **? Help** → **Customer Support** → **Software Update**.

Selecting various contents and tools (Home Menu)

Select the desired category at the top of the Home Menu. You can play back content by selecting its thumbnail in a subcategory. You can also use functions (such as setting change) by selecting its icon.

1 Press HOME.

2 Press ←/→ to select the desired category.

3 Press ↓, then press ←/→ to select the desired subcategory.

When the cursor is moved beyond the left/right edge of the subcategory, the next subcategory is displayed (if there is more than one subcategory).

4 Select the thumbnail of the desired content.

The content is played back.

Selecting various contents

The categories are available depending on your TV model/region/country.

Channel	You can view the list of digital broadcast contents and thumbnails of live and future broadcasts. You can also change the broadcast system by using **Channel List** at the bottom of the Home Menu.
Movies	You can watch movies from online movie service providers, connected USB devices, or your home network.
Album	You can view photos from online service providers, connected USB devices, or your home network.
Music	You can play back music content from online music service providers, connected USB devices, or your home network.
Apps	You can launch applications. Thumbnails of featured applications (**Featured**) and your favorite applications (**My Apps**) are displayed. To view all applications, select **All Apps** at the bottom of the Home Menu.

Selecting a Tool

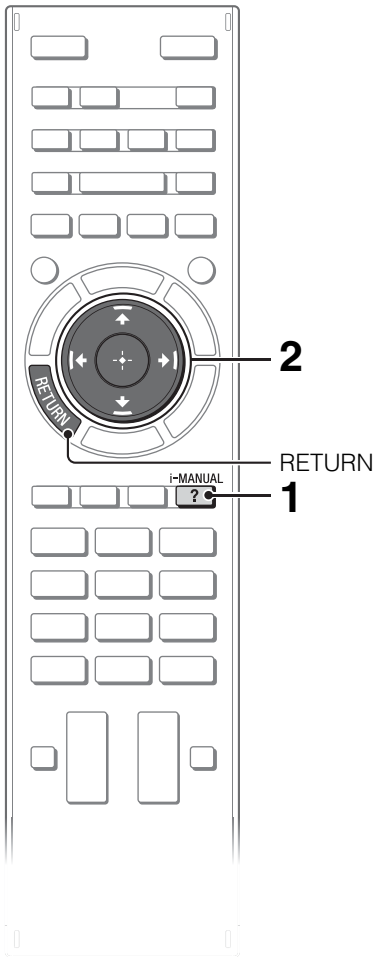
The tools are available depending on your TV model/region/country.

Search	You can input a keyword to search for content. You can also select keywords searched in the past.
Inputs	You can select an input device connected to the TV.
Media Server	You can select a media server (e.g. USB flash drive, home network) to browse its content using the Media Browser.
Settings	You can change TV settings (e.g. Picture & Display, Sound, Channel).
Help	You can view information about self diagnostics and customer support. You can also access the i-Manual.
Network Status	You can view the network connection status.

US

Looking for instructions in the electronic manual (i-Manual)

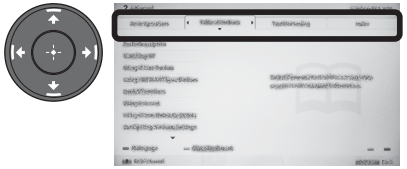
Operating instructions are built into your BRAVIA TV and can be displayed on the screen.
To learn more about your TV features, access your i-Manual with the touch of a button.



1 Press i-MANUAL.

2 Select an item.

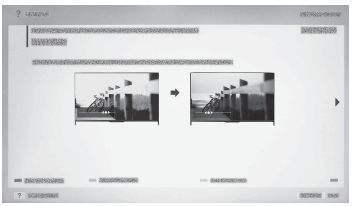
❶ Press ←/→ to select an item.



❷ Press ↑/↓/←/→ to select an item, then press ⊕.

* If an arrow mark appears, press ↓ repeatedly to display more items.

The page of the selected item appears.



✍

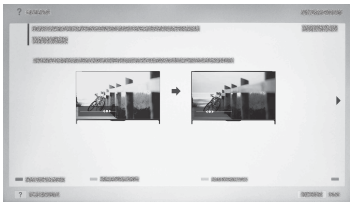
- You can step through pages using ←/→. Press **RETURN** to return to the previous page.

Saving frequently viewed pages (Bookmark)

You can save frequently viewed pages for easy access anytime.

■ To save a page

When displaying the page to bookmark, press the red button on the remote control.



■ To access the bookmarked page

When displaying the i-Manual, press the blue button on the remote control to display the bookmark list. Press ↑/↓ to select the desired item, then press ⊕.

✍

- To return to the previous screen, press **RETURN**.

■ To remove a bookmark

When the bookmarked page is displayed, press the red button on the remote control.

Troubleshooting

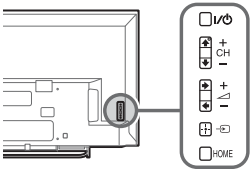
When the LED indicator is flashing red, count how many times it flashes (interval time is three seconds).

If the LED indicator flashes red, reset the TV by disconnecting the AC power cord from the TV for two minutes, then turn on the TV.
If the problem persists, contact Sony Customer Support (information provided on the front cover) with the number of times the LED indicator flashes red (interval time is three seconds). Press I/⏻ on the TV to turn it off, disconnect the AC power cord, and contact Sony Customer Support.

When the LED indicator is not flashing, check the items as follows.

You can also refer to "Troubleshooting" in the i-Manual or perform self-diagnosis by selecting **? Help → Customer Support → Self Diagnostics**. If the problem persists, contact Sony Customer Support (information provided on the front cover).

Condition	Explanation/Solution
There is no picture (screen is dark) and no sound.	• Check the cable/antenna connection. • Connect the TV to AC power, and press I/⏻ on the TV or **POWER** on the remote control.
Some programs cannot be tuned.	• Check the antenna.
The remote control does not function.	• Replace the batteries. • Your TV may be in SYNC mode. Press **SYNC MENU**, select **TV Control** and then select **Home (Menu)** or **Options** to control the TV.
The **Parental Lock** password has been forgotten.	• Enter 4357 for the PIN code. (PIN code 4357 is always accepted.)
The TV and its surroundings become warm.	• When the TV is used for an extended period of time, the TV and its surroundings may become warm to the touch. This is not a malfunction of the TV.
How to reset the TV to factory settings	• Turn on the TV. While holding down ↑ on the remote control, press I/⏻ on the TV. (The TV will turn itself off, then back on again.) Release ↑. WARNING: The reset will clear all of your customized settings including the **Parental Lock** setting. • For security purposes, be sure to remove all personal and account information before discarding, selling or passing your TV to someone else by: unlinking/unregistering, signing out of and deactivating all network services as well as factory reset the TV.

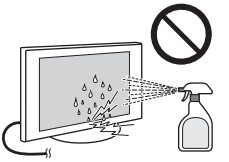
Condition	Explanation/Solution
Frozen audio or video, a blank screen, or the TV does not respond to TV or remote control buttons.	• Perform a simple reset of the TV by unplugging the AC power cord for two minutes, then plug it in again.
The I/⏻, **CH+/–**, **+/–**, **↑/↓/←/→**, ⏎, ⊞ and **HOME** buttons cannot be located on the TV.	• See below illustration for location of the buttons on the TV. Rear of TV 

How to care for your BRAVIA TV

Safety is very important. Please read and follow the safety documentation (Safety Booklet) separately provided.

Unplug the TV and other connected equipment from the wall outlet before you begin cleaning your TV.

- Wipe the LCD screen gently with a soft cloth.
- Stubborn stains may be removed with a cloth slightly moistened with a solution of mild soap and warm water.
- If using a chemically pretreated cloth, please follow the instruction provided on the package.
- Never spray water or detergent directly on the TV set. It may drip to the bottom of the screen or exterior parts and enter the TV set, and may cause damage to the TV set.



- Never use strong solvents such as a thinner, alcohol or benzine for cleaning.
- Do not plug in the TV into the wall outlet until the moisture from cleaning has evaporated.

The TV should also be placed on a stable surface to prevent it from toppling over (see page 17). If you have young children or pets at home, check regularly to ensure the TV is securely fastened.

Specifications

US

System	
Television system	NTSC: American TV standard ATSC (8VSB terrestrial): ATSC compliant 8VSB QAM on cable: ANSI/SCTE 07 2000 (Does not include CableCARD functionality)
Channel coverage	Analog terrestrial: 2 - 69 / Digital terrestrial: 2 - 69 Analog Cable: 1 - 135 / Digital Cable: 1 - 135
Panel system	LCD (Liquid Crystal Display) Panel, LED Backlight
Speaker output	8 W + 8 W
Wireless technology	Protocol IEEE802.11a/b/g/n
Input/Output jacks	
CABLE/ANTENNA	75-ohm external terminal for RF inputs
VIDEO IN 1	Video / Audio input (phono jacks)
COMPONENT IN VIDEO IN 2	$Y P_B P_R$ (Component Video): 1080p (60 Hz), 1080i (60 Hz), 720p (60 Hz), 480p, 480i Audio input (phono jacks) Video input (common phono pin with Y input)
HDMI IN 1/2/3/4	Video: 1080p (30, 60 Hz), 1080/24p, 1080i (60 Hz), 720p (30, 60 Hz), 720/24p, 480p, 480i, PC Formats Audio: 5.1 channel linear PCM: 32, 44.1 and 48 kHz, 16, 20 and 24 bits, Dolby Digital ARC (Audio Return Channel) (HDMI IN 2 only)
MHL (common with HDMI IN 1)	Video: 1080p (30 Hz), 1080/24p, 1080i (60 Hz), 720p (30, 60 Hz), 720/24p, 480p, 480i Audio: 5.1 channel linear PCM: 32, 44.1 and 48 kHz, 16, 20 and 24 bits, Dolby Digital
AUDIO OUT/	Audio output (stereo mini jack) Headphone jack (supports Subwoofer out)
DIGITAL AUDIO OUT (OPTICAL)	Digital optical jack (Two channel linear PCM, Dolby Digital)
LAN	10BASE-T/100BASE-TX connector (Connection speed may differ depending on the network environment. 10BASE-T/100BASE-TX communication rate and communication quality are not guaranteed for this TV.)
USB/DLNA	Refer to the i-Manual for supported formats.
DC IN 19.5 V	AC adapter input (DC 19.5 V)
Others	
Supplied accessories	See page 8 (Checking the accessories).
Optional accessories	Camera and Microphone Unit: CMU-BR200/CMU-BR100 Wireless Subwoofer: SWF-BR100 MHL Cable: DLC-MB10/DLC-MB20/DLC-MC20
Operating temperature	32 °F – 104 °F (0 °C – 40 °C)

Model name KDL-		48W600B 48W590B 48W580B	40W600B 40W590B 40W580B
Power and others			
Power requirement		19.5 V DC with AC adapter Rating: Input 110-240 V AC, 50/60 Hz (U.S.A./Canada 120 V AC, 60 Hz)	
Power consumption	in use	75 W	
	in standby	Less than 0.4 W with 120 V AC and less than 0.5 W with 240 V AC	
Screen size* (inches measured diagonally)		47.6 inches (48 class)	40 inches
Display resolution		1,920 dots (horizontal) × 1,080 lines (vertical)	
Dimensions*	with stand (mm) (inches)	1,086 × 675 × 181 42 $^{7}/_{8}$ × 26 $^{5}/_{8}$ × 7 $^{1}/_{4}$	926 × 584 × 162 36 $^{1}/_{2}$ × 23 × 6 $^{1}/_{2}$
	without stand (mm) (inches)	1,086 × 646 × 90 42 $^{7}/_{8}$ × 25 $^{1}/_{2}$ × 3 $^{5}/_{8}$	926 × 556 × 89 36 $^{1}/_{2}$ × 22 × 3 $^{5}/_{8}$
	wall-mount hole pattern (mm)	300 × 200	300 × 300
	wall-mount screw size (mm)	M6 (length: see diagram on page 33.)	
Mass*	with stand (kg)/(lb.)	10.3 / 22.7	7.9 / 17.5
	without stand (kg)/(lb.)	9.9 / 21.9	7.4 / 16.3

* Screen size, dimensions and mass are approximate values.

- Optional accessories availability depends on countries/region/TV model/stock.
- Design and specifications are subject to change without notice.
- This TV set incorporates MHL 2.

Installing the TV to the Wall

To Customers

Sufficient expertise is required for installing this product. Be sure to subcontract the installation to Sony dealers or licensed contractors and pay special attention to safety during the installation. Sony is not liable for any damages or injury caused by mishandling or improper installation, or installing any other than the specified product. Your Statutory Rights (if any) are not affected.

US

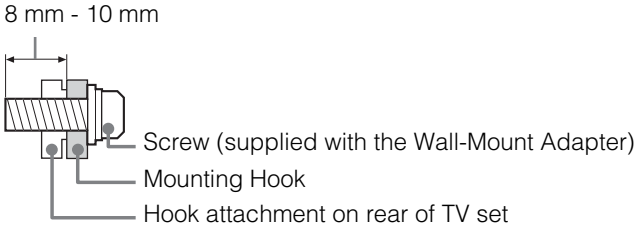
To Sony Dealers and Contractors

Sufficient expertise is required for installing this product. Be sure to read this instruction manual thoroughly to do the installation work safely. Sony is not liable for any damages or injury caused by mishandling or improper installation.

Your TV can be mounted on a wall using a Wall-Mount Adapter (supplied with the TV) out of the box as packaged. If the Table-Top Stand is attached to the TV, the TV may require detaching the Table-Top Stand; see page 11 (Detaching the Table-Top Stand from the TV).
Prepare the TV for the Wall-Mount Adapter before making cable connections.

For product protection and safety reasons, Sony strongly recommends that you use the Wall-Mount Adapter (supplied with the TV) designed for your TV and the installation should be performed by a Sony dealer or licensed contractor.

- Follow the instructions provided in this manual for installing the Wall-Mount Adapter. Sufficient expertise is required in installing this TV, especially to determine the strength of the wall for withstanding the TV's weight.
- Be sure to use the screws supplied with the Wall-Mount Adapter when attaching the Mounting Hook to the TV set.
  The supplied screws are designed as indicated by illustration when measured from the attaching surface of the Mounting Hook.
  The diameter and length of the screws differ depending on the Wall-Mount Adapter model. Use of screws other than those supplied may result in internal damage to the TV set or cause it to fall, etc.



- Be sure to store the unused screws and Table-top Stand in a safe place until you are ready to attach the Table-Top Stand. Keep the screws away from small children.

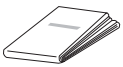
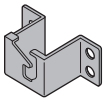
✍
- Read the supplied Safety Booklet for additional safety information.
- See page 40 (Safety Information) and page 41 (Precaution) on WALL-MOUNT ADAPTER before carrying out Wall-Mount Adapter installation.
- Place the TV with its screen facing down on a flat and stable surface covered with a thick and soft cloth that is larger than the TV, when securing the Mounting Hook or when removing the Table-Top Stand from the TV to prevent damaging the surface of the LCD display.

Wall-Mount Adapter

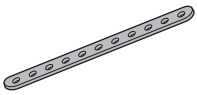
1 Prepare necessary items.

Wall-Mount Adapter accessories (supplied)

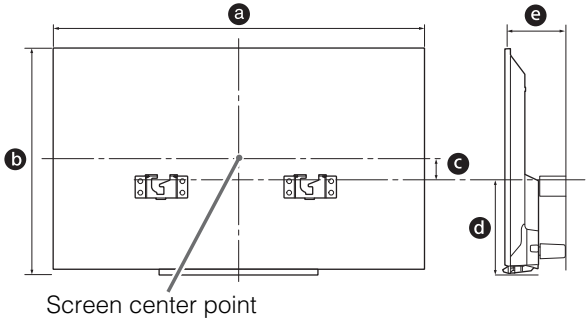
Ⓐ Paper Template Ⓑ Wall-Mount Base (2) Ⓒ Pulleys (2) Ⓓ Screw (+PSW 6 × 16) (3)

Ⓔ Spacers (2) Ⓕ Band



2 Make sure that the wall has enough space for the TV and is capable of supporting a weight of at least four times that of the TV.
Refer to the following table on installing the TV to the wall. See page 31-32 (Specifications) for the TV's weight.

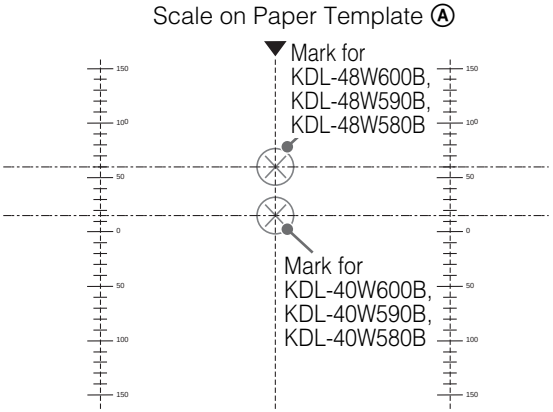


Unit: inches (mm)

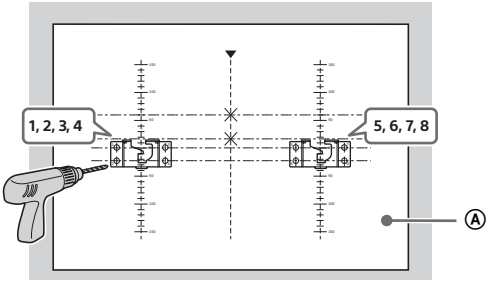
Model Name KDL-	Display dimensions		Screen center dimension	Length for mounting	
	a	b	c	d	e
48W600B, 48W590B, 48W580B	42 7/8 (1,086)	25 1/2 (646)	2 1/2 (61)	10 3/4 (273)	5 3/4 (144)
40W600B, 40W590B, 40W580B	36 1/2 (926)	22 (556)	21/32 (16)	10 7/8 (274)	5 3/4 (143)

✍
• Figures in the table may differ slightly depending on the installation.

3 Make a mark on the Paper Template Ⓐ that indicates the center of the screen for your TV.

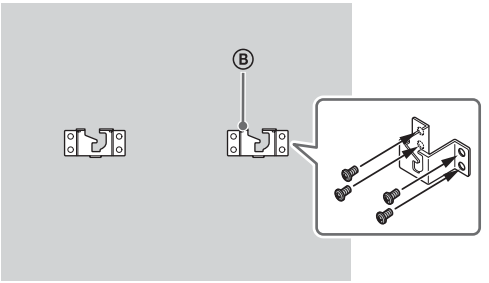


4 Tape the Paper Template Ⓐ to the wall and drill holes according to the numbering on the Paper Template Ⓐ using an electric drill.

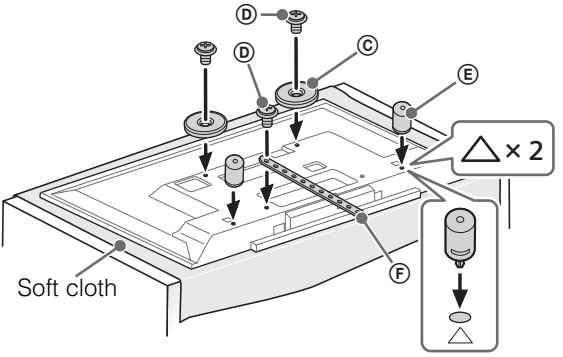


5 Remove the Paper Template Ⓐ from the wall.

6 Attach the Wall-Mount Base Ⓑ to the wall correctly using screws (8 mm in diameter, not supplied).

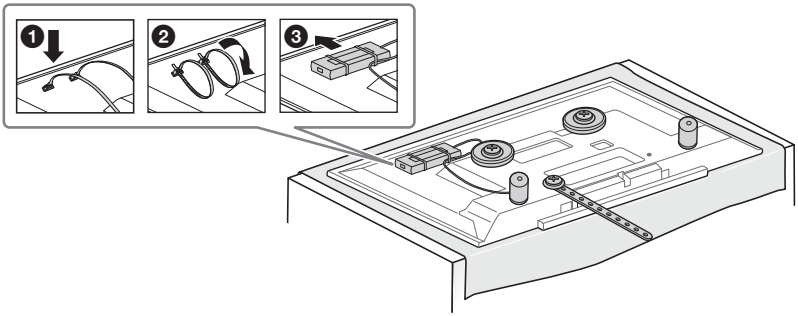


7 Attach the Pulleys Ⓒ to the TV using the supplied screws Ⓓ. Attach the Spacers Ⓔ to the holes indicated by the triangle marks △. Then, attach the Band Ⓕ using the supplied screw Ⓓ.



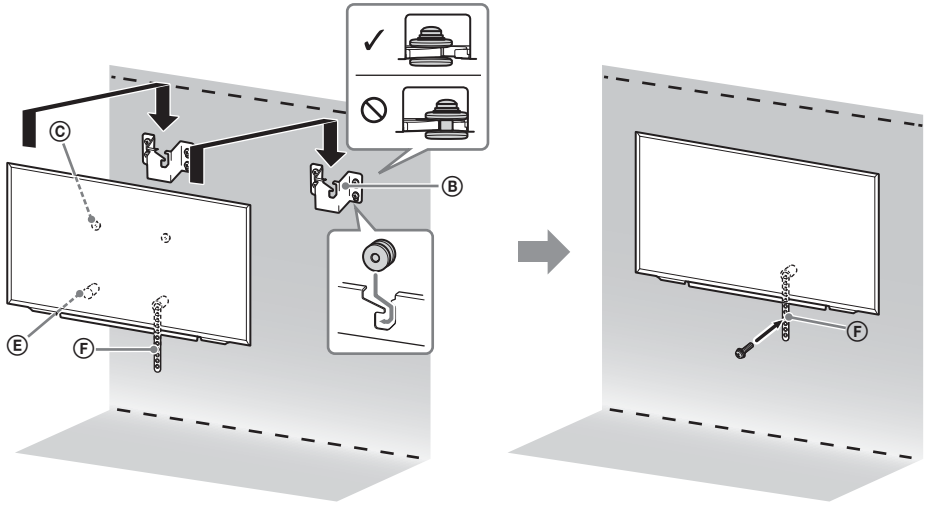
8 Make sure to connect and bundle the cables before installing the TV on the wall.

9 Bundle the AC Adapter using the cable holders (supplied with the TV). Make sure that the label is facing outwards when bundling AC adapter.



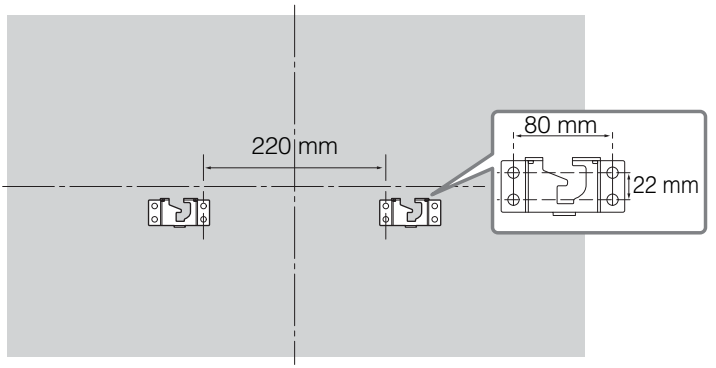
US

10 Install the TV on the wall. Confirm the Pulleys Ⓒ are firmly latched into the Wall-Mount Base Ⓑ. Then, attach the Band Ⓕ to the wall using a screw (5 mm in diameter, not supplied).



Dimensions of the hole positions on the wall

Pass the following information to the licensed contractors if necessary.
Use screws (8 mm in diameter, not supplied) to install the Wall-Mount Base Ⓑ on the wall. Be sure to use the supplied Paper Template Ⓐ that shows the actual position of Wall-Mount Base Ⓑ for easy installation.

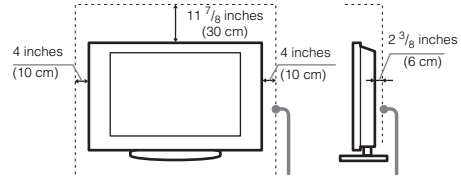


Installing the TV against a wall or enclosed area

Make sure that your TV has adequate ventilation. Allow enough space around the TV as shown in the illustration.

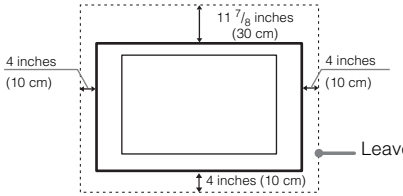
US

Installed with stand



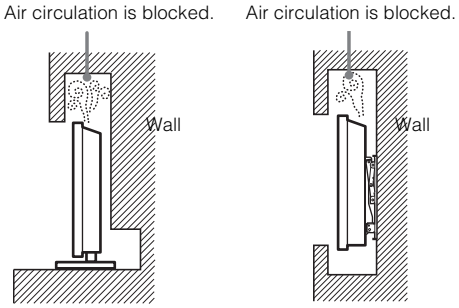
Leave at least this much space around the set.

Installed on the wall



Leave at least this much space around the set.

Never install the TV set as follows:



✍

- Inadequate ventilation can lead to overheating of the TV and may cause damage to your TV or cause a fire.

Safety Information

Declaration of Conformity

Trade Name: SONY
Model: KDL-48W600B/KDL-48W590B/
KDL-48W580B/KDL-40W600B/KDL-40W590B/
KDL-40W580B
Responsible Party: Sony Electronics Inc.
Address: 16530 Via Esprillo,
San Diego, CA 92127 U.S.A.
Telephone Number: 858-942-2230

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Related Information

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- ❑ Reorient or relocate the receiving antenna.
- ❑ Increase the separation between the equipment and receiver.
- ❑ Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- ❑ Consult the dealer or an experienced radio/TV technician for help.

Pursuant to FCC regulations, you are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

Safety and Regulatory

To prevent radio interference to the licensed service, this device is intended to be operated indoors and away from windows to provide maximum shielding. Equipment (or its transmit antenna) that is installed outdoors is subject to licensing.

Only use Wireless LAN indoors when using it with IEEE 802.11a (5 GHz).

This equipment complies with FCC/IC radiation exposure limits set forth for uncontrolled equipment and meets the FCC radio frequency (RF) Exposure Guidelines in Supplement C to OET65 and RSS-102 of the IC radio frequency (RF) Exposure rules. This equipment has very low levels of RF energy that it deemed to comply without maximum permissive exposure evaluation (MPE). But it is desirable that it should be installed and operated with at least 20 cm and more between the radiator and person's body (excluding extremities: hands, wrists, feet and ankles).

This device and its antenna(s) must not be co-located or operating with any other antenna or transmitter except Grant condition.

Note

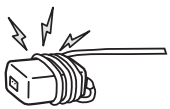
This television includes a QAM demodulator which should allow you to receive unscrambled digital cable television programming via subscription service to a cable service provider. Availability of digital cable television programming in your area depends on the type of programming and signal provided by your cable service provider.

NOTE ON AC ADAPTER

Warning

To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.
To prevent fire or shock hazard, do not place objects filled with liquids, such as vases, on the apparatus.
Do not install this equipment in a confined space, such as a bookshelf or similar unit.

- Please ensure that the AC power outlet is installed near the equipment and shall be easily accessible.
- Be sure to use the supplied AC adapter and AC power cord. Otherwise it may cause a malfunction.
- Connect the AC adapter to an easily accessible AC power outlet.
- Do not coil the AC power cord around the AC adapter. The core wire may be cut and/or it may cause a malfunction of the TV.



- Do not touch the AC adapter with wet hands.
- If you notice an abnormality in the AC adapter, disconnect it from the AC power outlet immediately.

- The set is not disconnected from the AC source as long as it is connected to the AC power outlet, even if the set itself has been turned off.
- As the AC adapter will become warm when it is used for a long time, you may feel hot when touching it by hand.

Wall-Mount Adapter

Below information shows the correct handling of the Wall-Mount Adapter. Be sure to read this information thoroughly and use the Wall-Mount Adapter correctly.

To Customers:

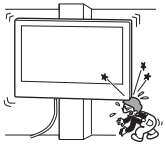
Be sure to observe the following precautions for safety to prevent a serious injury through fire, electric shock, the product toppling over, or the product dropping.

- Be sure to subcontract the installation to licensed contractors and keep small children away during installation.
- Be sure to subcontract moving or dismounting of the TV to licensed contractors.
- Do not remove screws, etc., after mounting the TV.
- Do not make alterations to the parts of the Wall-Mount Adapter.
- Do not mount any equipment other than the specified product.
- Do not apply any load other than the TV on the Wall-Mount Adapter.
- Do not lean on or hang from the TV.
- Do not handle the TV with excessive force during cleaning or maintenance.

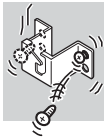
To Sony Dealers and Contractors:

The following instructions are for Sony dealers and contractors only. Be sure to read safety precautions described below and pay special attention to safety during the installation, maintenance and checking of this product.

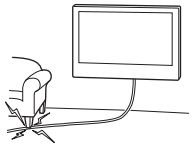
- Do not install the Wall-Mount Adapter on wall surfaces where the corners or the sides of the TV are protruding away from the wall surface.



- Do not install the TV over or under an air-conditioner.
- Be sure to install the Wall-Mount Adapter securely to the wall following the instructions in this instruction manual. If any of the screws are loose or fall out, the Wall-Mount Adapter may fall and cause injury or property damage.



- Be sure to use the supplied screws and attachment parts properly following the instructions given in this instruction manual. If you use substitute items, the TV may fall and cause bodily injury to someone or damage to the TV.
- Be sure to assemble the bracket properly following the instructed procedure explained in this instruction manual.
- Be sure to tighten the screws securely in the designated position.
- Be careful not to subject the TV to shock during installation.
- Be sure to install the TV on a wall that is both perpendicular and flat.
- After proper installation of the TV, secure the cables properly.
- Do not allow the AC power cord or the connecting cables to be pinched as the internal conductors may become exposed and cause a short circuit or an electrical break.



US

Precaution

WALL-MOUNT ADAPTER

- If you use the TV installed on the Wall-Mount Adapter for a long time, the wall behind or above the TV may become discoloured or the wallpaper may come unglued, depending on the material of the wall.
- If the Wall-Mount Adapter is removed after installing it on the wall, the screw holes remain.
- Do not use the Wall-Mount Adapter in a place where it is subjected to mechanical vibration.

For Your Convenience	
Online Registration:	Be sure to register your TV. **United States** http://productregistration.sony.com **Canada** http://www.sony.ca/registration
Software Updates:	Your TV is capable of receiving software updates. For the latest information about software updates for your TV, visit: **United States** http://www.sony.com/tvsupport **Canada** http://www.sony.ca/support NOTE: If your TV is connected to the Internet, you can check for software updates by selecting **? Help**, **Customer Support** and then **Software Update**.

Pour votre commodité	
Enregistrement en ligne :	Faire en sorte de compléter l'enregistrement de votre téléviseur. **Canada** http://www.sony.ca/fr/registration **États-Unis** http://productregistration.sony.com
Mise à jour du logiciel :	Votre téléviseur est en mesure de recevoir des mises à jour logicielles. Pour obtenir les renseignements les plus à jour sur les mises à jour du logiciel de votre téléviseur, visitez : **Canada** http://support.sony.ca/fr **États-Unis** http://www.sony.com/tvsupport REMARQUE : Si votre téléviseur est connecté à Internet, vous pouvez vérifier les mises à jour du logiciel en sélectionnant **? Aide**, **Service à la clientèle**, puis **Mise à jour du logiciel**.

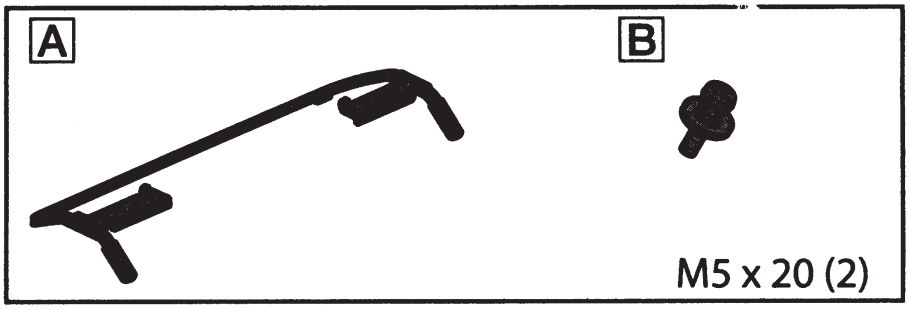
http://www.sony.net/

© 2014 Sony Corporation Printed in U.S.A

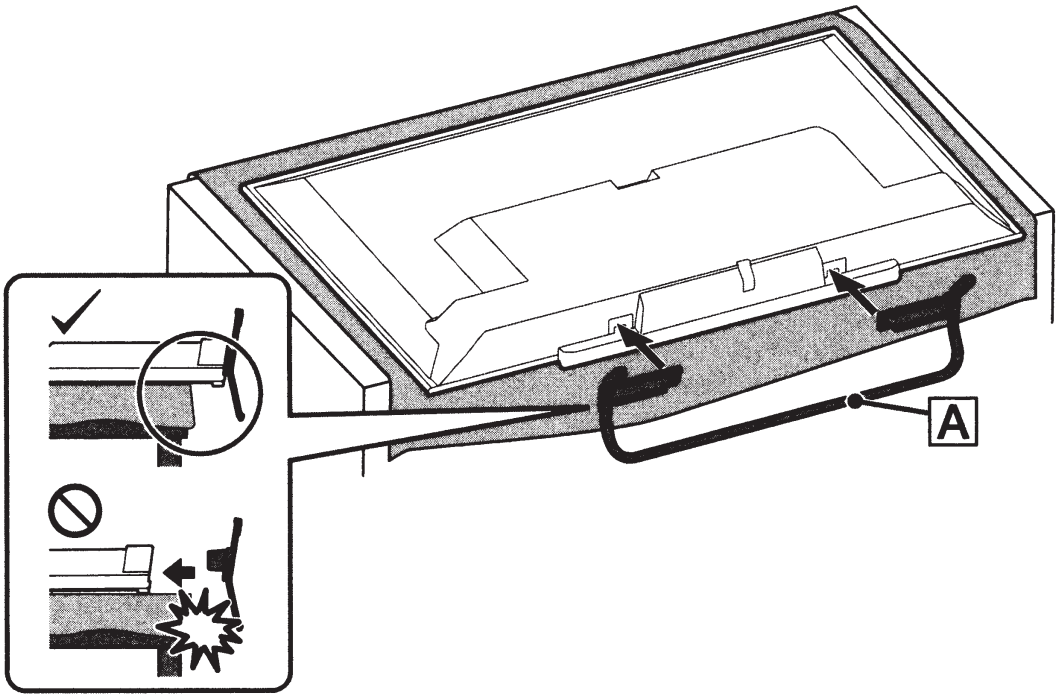
SONY

5009622

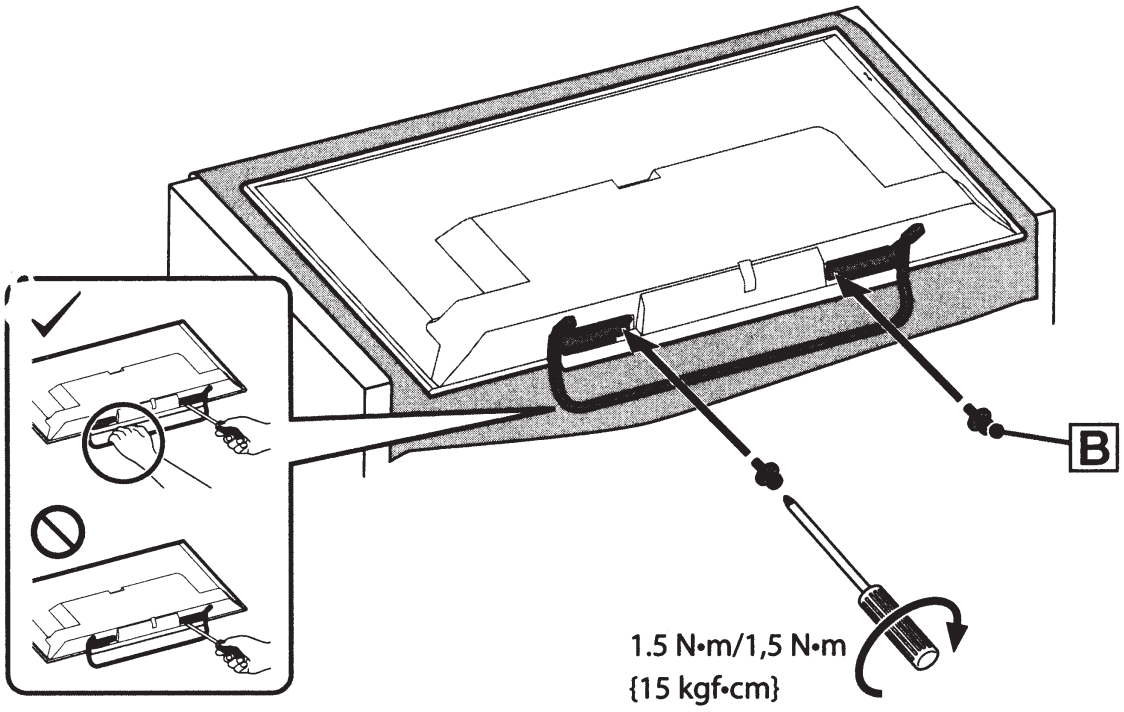
4-527-923-**11**(1)



1



2



© 2014 Sony Corporation

CHILD SAFETY:

PROPER TELEVISION PLACEMENT MATTERS

THE CONSUMER ELECTRONICS INDUSTRY CARES

- Manufacturers, retailers and the rest of the consumer electronics industry are committed to making home entertainment safe and enjoyable.
- As you enjoy your television, please note that all televisions – new and old- must be supported on proper stands or installed according to the manufacturer's recommendations. Televisions that are inappropriately situated on dressers, bookcases, shelves, desks, speakers, chests, carts, etc., may fall over, resulting in injury.

TUNE IN TO SAFETY

- **ALWAYS** follow the manufacturer's recommendations for the safe installation of your television.
- **ALWAYS** read and follow all instructions for proper use of your television.
- **NEVER** allow children to climb on or play on the television or the furniture on which the television is placed.
- **NEVER** place the television on furniture that can easily be used as steps, such as a chest of drawers.
- **ALWAYS** install the television where it cannot be pushed, pulled over or knocked down.
- **ALWAYS** route cords and cables connected to the television so that they cannot be tripped over, pulled or grabbed.

WALL OR CEILING MOUNT YOUR TELEVISION

- **ALWAYS** contact your retailer about professional installation if you have any doubts about your ability to safely mount your television.
- **ALWAYS** use a mount that has been recommended by the television manufacturer and has a safety certification by an independent laboratory (such as UL, CSA, ETL).
- **ALWAYS** follow all instructions supplied by the television and mount manufacturers.
- **ALWAYS** make sure that the wall or ceiling where you are mounting the television is appropriate. Some mounts are not designed to be mounted to walls and ceilings with steel studs or cinder block construction. If you are unsure, contact a professional installer.
- Televisions can be heavy. A minimum of two people is required for a wall or ceiling mount installation.

MOVING AN OLDER TELEVISION TO A NEW PLACE IN YOUR HOME

- Many new television buyers move their older CRT televisions into a secondary room after the purchase of a flat-panel television. Special care should be made in the placement of older CRT televisions.
- **ALWAYS** place your older CRT television on furniture that is sturdy and appropriate for its size and weight.
- **NEVER** place your older CRT television on a dresser where children may be tempted to use the drawers to climb.
- **ALWAYS** make sure your older CRT television does not hang over the edge of your furniture.

4-529-159-12(1)

* 4 5 2 9 1 5 9 1 2 * (1)

CE.org/safety

CEA
Consumer Electronics Association

SONY

4180215112

ENGLISH

Preventing TV Tip-Over Accidents

The U.S. Consumer Product Safety Commission (CPSC) estimates that in 2005 at least 3,000 children younger than age 5 were treated in U.S. hospitals emergency rooms because of injuries associated with TV tip-overs. In addition, from 2000 through 2005, CPSC received reports of 36 TV tip-over deaths. More than 80 percent of all these deaths involved young children. The injuries and deaths frequently take place when kids climb onto, fall against or pull themselves up on shelves, bookcases, dressers, desks, chests and television stands. In some cases, televisions placed on top of furniture tip over and cause a child to suffer a traumatic and sometimes fatal injury.

FRANÇAIS

Éviter les accidents de renversement de téléviseur

La commission de surveillance des produits de consommation (CSPC) des É.-U. estime qu'en 2005 au moins 3 000 enfants de moins de cinq ans ont été traités dans les salles d'urgence des hôpitaux états-uniens pour des blessures associées à des renversements de téléviseurs. De plus, de 2000 à 2005, la CSPC a reçu des rapports de 36 décès causés par un renversement de téléviseur. Plus de 80 pour cent de ces décès impliquaient de jeunes enfants. Les blessures et les décès ont souvent lieu lorsque les enfants tombent contre, grimpent ou se hissent sur des tablettes, des bibliothèques, des commodes, des bureaux, des armoires et des supports de téléviseur. Dans certains cas, les téléviseurs placés sur des meubles se renversent et causent une blessure grave et parfois fatale à l'enfant.

ESPAÑOL

Prevención de accidentes por vuelco y caída del televisor

La Comisión de Seguridad de Productos de EE.UU. (CPSC) calcula que en el 2005 por lo menos 3,000 niños menores de 5 años recibieron tratamiento de emergencia en hospitales de Estados Unidos debido a las lesiones recibidas al volcarse un televisor. Asimismo, entre los años 2000 y 2005, la CPSC recibió informes de 36 muertes causadas por volcarse un televisor. Más del 80% de las muertes fueron de niños pequeños. Con frecuencia, las lesiones y muertes suceden cuando un niño se trepa a un televisor, cae sobre él o trata de subirse en repisas, roperos, escritorios o bases de televisor. En algunos casos, cuando se coloca un televisor encima de un mueble, éste puede volcarse y caer causando trauma físico y hasta la muerte en niños.

Watch Out!

Faites attention!

¡Cuidado!

The following safety tips are recommended to prevent furniture or TV tip-overs:

- Verify that television is placed only on furniture that is stable on its own. For added security it is recommended that you attach to the wall or anchor to the floor all entertainment units, TV stands, bookcases, shelving, and bureaus using appropriate hardware, such as brackets, screws, or toggles.
- Place the television on sturdy furniture appropriate for the size of the TV or on a low-rise base.
- Push the television as far back as possible.
- Place electrical cords and audio/visual cables out of a child's reach, and teach kids not to play with them.
- Remove items that might tempt kids to climb on or near the television, such as toys and remote controls, from top of the TV and furniture.

See the operating instruction for more information on how to secure the TV.

Les conseils de sécurité suivants sont recommandés pour éviter les renversements de meubles ou de téléviseurs :

- Assurez-vous que le téléviseur est placé seulement sur un meuble qui est stable par lui-même. Pour augmenter la sécurité, il est recommandé de fixer au mur ou au sol toutes les unités de divertissement, les supports de téléviseur, les bibliothèques, les tablettes et les bureaux au moyen de la quincaillerie appropriée, comme des supports, des vis ou des boulons à ailettes.
- Placez le téléviseur sur un meuble robuste approprié pour la taille du téléviseur ou sur une base basse.
- Poussez le téléviseur aussi loin que possible vers l'arrière.
- Placez les cordons électriques et les câbles audio/vidéo hors de la portée des enfants et montrez-leur de ne pas jouer avec eux.
- Retirez du dessus du téléviseur et des meubles les objets qui pourraient inciter les enfants à grimper sur ou près du téléviseur, comme des jouets ou des télécommandes.

Reportez-vous aux directives d'utilisation pour obtenir d'autres renseignements sur la façon de sécuriser le téléviseur.

A continuación se presentan algunos consejos de seguridad recomendados para prevenir el vuelco y la caída de televisores:

- Asegúrese de que el televisor solamente esté colocado sobre muebles que sean estables en sí. Para mayor seguridad, se recomienda que todas las unidades de entretenimiento, bases para televisor, libreros, repisas o burós se sujeten a la pared o al piso usando las ménsulas, tornillos o abrazaderas adecuadas.
- Coloque el televisor en un mueble sólido adecuado al tamaño del aparato o en una base que no sea alta.
- Coloque el televisor lo más atrás del mueble que sea posible.
- Coloque los cables eléctricos y del sistema audiovisual fuera del alcance de los niños y enséñeles a que no deben jugar con cables.
- Retire cualquier objeto como juguetes o controles remoto que esté encima del televisor o del mueble y que pudiera incitar a los niños a treparse en el televisor o cerca de él.

Consulte las instrucciones de funcionamiento para obtener más información sobre cómo asegurar el televisor.

© 2009 Sony Corporation Printed in U.S.A.

ENGLISH

Does your picture quality seem poor?
Do you have a cable or satellite box?

Factors other than your TV can affect picture quality.

1) Cable or Satellite Set-Top Box (STB)

Request an HD STB from your service provider and review your STB settings.

You may need to adjust your STB audio and picture settings, otherwise you may experience issues such as: Poor picture quality, black bars on the top or sides of the screen, no audio, empty black boxes on the screen.

Contact your service provider if you have any questions on STB usage.

2) Broadcaster

The broadcaster controls the quality of the program. Some programs are broadcast in High Definition (HD), while other programs are broadcast in Standard Definition (SD), even on HD stations.

HD broadcast
Crisp, clear picture

SD broadcast
Fuzzy picture, often with black bars

Type of content stations can broadcast:

	SD Station	HD Station
SD Content	X	X
HD Content		X
Both HD & SD content		X

SD content on HD channels does not create an HD picture!

3) Original Recording Quality

The quality of the picture you see also depends on the type of camera used when the original recording was made.

FRANÇAIS

Est-ce que la qualité de votre image semble mauvaise?
Est-ce que vous avez le câble ou un satellite?

Facteurs autres que votre téléviseur pouvant affecter la qualité de l'image.

1) Décodeur de câble ou satellite

Demandez un décodeur HD à votre fournisseur de service et examinez les réglages de votre décodeur.

Vous devrez ajuster les réglages de son et d'image de votre décodeur, sinon vous pourriez constater les problèmes suivants : mauvaise qualité d'image, barres noires dans le haut ou les côtés de l'écran, pas de son, boîtes noires vides à l'écran.

Communiquez avec votre fournisseur de service si vous avez des questions au sujet de l'utilisation du décodeur.

2) Télédiffuseur

Le télédiffuseur contrôle la qualité de l'émission.
Certaines émissions sont télédiffusées en haute définition (HD), tandis que d'autres sont télédiffusées en définition standard (SD), même sur des postes HD.

Télédiffusion HD
Image claire, précise

Télédiffusion SD
Image floue, souvent avec des barres noires

Type de contenu que les stations peuvent diffuser :

	Stations SD	Stations HD
Contenu SD	X	X
Contenu HD		X
Contenu HD et SD		X

Le contenu SD sur des canaux HD ne crée pas une image HD!

3) Qualité de l'enregistrement initial

La qualité de l'image que vous voyez dépend aussi du type de caméra utilisé lors de l'enregistrement initial.

ESPAÑOL

¿La calidad de la imagen no es óptima?
¿Tiene un receptor de cable o satélite?

Existen factores aparte del televisor que pueden afectar la calidad de la imagen.

1) Receptores de cable o satélite (Set-Top Box o STB)

Solicite un receptor de alta definición (HD) de la compañía que le ofrece el servicio y cheque la configuración del receptor.

Es posible que necesite ajustar la configuración de audio e imagen de su receptor, de no ser así, podría observar lo siguiente: mala calidad de la imagen, barras negras en la parte superior o en los costados de la pantalla, falta de audio, recuadros negros vacíos en la pantalla.

Comuníquese con la compañía proveedora de servicio si tiene alguna pregunta sobre el uso de su receptor.

2) Cadenas transmisoras

La cadena transmisora controla la calidad del programa. Algunos programas se transmiten en alta definición (HD), mientras que otros se transmite en definición estándar (SD) o hasta en estaciones de alta definición.

Transmisión en Alta Definición (HD)
Imagen clara y nítida

Transmisión en Definición Estándar (SD)
Imagen borrosa, con frecuencia aparecen barras negras

Tipo de contenido que las estaciones pueden transmitir:

	Estación SD	Estación HD
Contenido SD	X	X
Contenido HD		X
Contenido tanto HD como SD		X

¡El contenido SD en canales HD no crea una imagen en alta definición!

3) Calidad original de la filmación

La calidad de la imagen que ve también depende del tipo de cámara que se usó cuando se hizo la filmación original.

SONY

4-489-007-**11**(1)

END USER LICENSE AGREEMENT
CONTRAT DE LICENCE D'UTILISATION

FOR CERTAIN SOFTWARE AND SERVICE TO BE USED
WITH YOUR SONY PRODUCT
POUR CERTAINS LOGICIELS ET SERVICES DEVANT ÊTRE UTILISÉS AVEC VOTRE PRODUIT SONY

© 2014 Sony Corporation
Printed in Mexico

English

IMPORTANT – READ THIS AGREEMENT BEFORE USING YOUR SONY PRODUCT. USING YOUR PRODUCT INDICATES YOUR ACCEPTANCE OF THIS AGREEMENT.

If you do not agree to the terms of this EULA or Sony's applicable privacy policy, as amended from time to time by Sony in its discretion, Sony is unwilling to license the Sony Software (as defined below) to you and unwilling to allow you to access the Sony Services & Content (as defined below), and you should promptly contact Sony for instructions on the return of the entire Sony Product and included Sony Software for a refund of the purchase price of the Sony Product.

This End User License Agreement ("EULA") is a legal agreement between you and Sony Electronics Inc. ("Sony"), the licensor of the software (other than the software which is governed by other licenses as defined below, as "Excluded Software") included in this Sony Product and related materials which shall be collectively referred to as the "Sony Software." This EULA covers the Sony Software and that of Sony's affiliates and third party licensors ("Third Party Licensors") and accompanying printed or online documentation. The Sony Software includes software in your Sony Product, including updates or modified software, provided to you by Sony, whether stored on media or downloaded to the Sony Product via any method, but not Excluded Software as defined below.

Note: This EULA contains a binding individual arbitration clause and class action waiver. If you wish to opt out of these provisions, please follow the instructions in Section entitled "Resolving Disputes; Arbitration; Small Claims Waiver" below.

This Sony Product also includes the Sony Entertainment Network feature which provides access to selected content services ("Services") from third party content providers including Sony entities other than Sony Electronics Inc. ("Third Party Providers") as a courtesy to you. The Sony Entertainment Network feature also provides you access to selected Sony content services ("Sony Content Services"), which services and related content ("Sony Content") shall both be considered Sony Software under this EULA. The Sony Entertainment Network feature requires an Internet connection. Your ability to access the Services, and the quality of the Services presented, are subject to your Internet provider's service and terms as well as the broadband Internet connection speed you use. Your ability to access the Services, and the quality of the Services presented, are subject to your Internet provider's service and terms. Video quality and picture size varies and is dependent upon the speed of your broadband service from your Internet provider and delivery by the Third Party Providers. The content, including but not limited to data, music, sound, audio, photographs, images, graphics, likenesses, software, text, video, messages, tags, or other materials, provided by Third Party Providers ("Content") and the availability of the Services are at the sole discretion and under the control of the Third Party Providers. The Content and Services of each Third Party Provider are provided pursuant to the terms and conditions of that Third Party Provider. Premium Content may require additional fees and/or registration with the Third Party Provider through a computer. The Services and the Content may only be used for your own personal, private viewing, and shall not be used for non-theatrical exhibition, or any viewing or exhibition for which (or in a venue in which) an admission, access, or viewing fee is charged, or for any public exhibition or viewing. The Services may be changed at any time and may be unavailable from time to time.

You understand, acknowledge and agree that access to certain Sony Product features, including but not limited to your ability to access the Sony Content & Services, requires an Internet connection for which you are solely responsible. You are solely responsible for payment of any third party fees associated with your Internet connection, including but not limited to Internet service provider or airtime charges. The quality of the Sony Content & Services presented is subject to your Internet provider's service and terms, and is also dependent upon the speed of your Internet service. Operation of the Sony Product and Sony Software, and access to the Sony Content & Services, may be limited or restricted depending on the capabilities, bandwidth or technical limitations of your Internet connection and service. You understand, acknowledge and agree that Internet connectivity is provided by third parties over which Sony has no control. The provision, quality, availability and

security of such Internet connectivity, software and services are the sole responsibility of such third parties.

THE SONY SOFTWARE AND THE SERVICES MAY ALLOW SONY, THE THIRD PARTY PROVIDERS, AND/OR OTHER THIRD PARTIES TO COLLECT DATA FROM, CONTROL, AND/OR MONITOR THE SONY PRODUCT AND OTHER DEVICES RUNNING OR INTERACTING WITH THE SONY SOFTWARE.

SOFTWARE LICENSE

You cannot use the Sony Software except as specified herein. The Sony Software is licensed, not sold. Sony and its Third Party Licensors grant you a limited license to use the Sony Software only on the Sony Product. The Sony Software may create data files automatically for use with the Sony Software, and you agree that any such data files are deemed to be a part of the Sony Software. The Sony Software is licensed as a single product, and you may not separate its component parts for use on more than one device unless expressly authorized by Sony. You agree not to modify, reverse engineer, decompile or disassemble the Sony Software in whole or in part or to use the Sony Software in whole or in part for any purpose other than allowed under this EULA. In addition, you may not rent, lease, sublicense, or sell the Sony Software, but you may transfer all of your rights under this EULA only as part of a sale or transfer of the Sony Product provided you retain no copies, transfer all of the Sony Software (including all copies, component parts, any media, printed materials, all versions and any upgrades of the Sony Software, and this EULA), and the recipient agrees to the terms of this EULA. Sony and its Third Party Licensors retain all rights that this EULA does not expressly grant to you. You shall not (a) bypass, modify, defeat, or circumvent any of the functions or protections of the Sony Software or any mechanisms operatively linked to the Sony Software; or (b) remove, alter, cover, or deface any trademarks or notices on the Sony Software. You understand, acknowledge, and agree that the software, network services, or other products other than the Sony Software upon which the Sony Software's performance may depend might be interrupted or discontinued at the discretion of the suppliers (software suppliers, service providers, Third Party Providers, etc.) or Sony.

EXCLUDED SOFTWARE

Notwithstanding the foregoing limited license grant, you acknowledge that the Sony Product includes software subject to other terms and conditions governing the use of such software other than this EULA ("Excluded Software"). Certain Excluded Software may be covered by open source software licenses ("Open Source Components"), which means any software licenses approved as open source licenses by the Open Source Initiative or any substantially similar licenses, including but not limited to any license that, as a condition of distribution of the software licensed under such license, requires that the distributor make the software available in source code format. Terms and conditions applicable to Open Source Components are provided to you together with this EULA and/or stored in your Device which may include but are not limited to the "Help" or "About" menus. Please visit http://www.sony.net/Products/Linux for a list of applicable Excluded Software included in this Sony Product from time to time, and the applicable terms and conditions governing its use. Such terms and conditions may be changed by the applicable third party at any time without liability to you. To the extent required by the licenses covering Open Source Components, the terms of such licenses will apply in lieu of the terms of this EULA. To the extent the terms of the licenses applicable to Open Source Components prohibit any of the restrictions in this EULA with respect to such Open Source Components, such restrictions will not apply to such Open Source Component. To the extent the terms of the licenses applicable to Open Source Components require Sony to make an offer to provide source code in connection with the Software, such offer is hereby made.

USER ACCOUNT

As part of the agreement to allow you to access, browse, or use the Services and the Content, Third Party Providers and/or other third parties may require that you establish a user account ("Account") for which you must provide them with true, accurate, current, and complete information about yourself and maintain/promptly update such information. You are responsible for maintaining the confidentiality of any and all of your passwords associated with any such Account.

DATA COLLECTION

Any Services provided by affiliates of Sony Corporation and/or third parties that you access may also allow affiliates of Sony Corporation and/or third parties to collect data about you and/or about the use of that service. Sony Corporation does not control and is not in any way liable for such data collection and you should consult the relevant privacy policy for each such Service before using it.

SONY'S RIGHTS TO USER'S MATERIAL

If you send any communications or materials to Sony by electronic mail or otherwise ("Materials"), including any selections, comments, data, questions, suggestions, or the like, all such Materials are, and will be treated as, non-confidential and non-proprietary. Thus, you give up any claim that use of such Materials violates any of your rights including moral rights, privacy rights, proprietary or other property rights, rights of publicity, rights to credit for material or ideas, or any other right, including the right to approve the way Sony uses such Materials. Any Material may be adapted, broadcast, changed, copied, disclosed, licensed, performed, posted, published, sold, transmitted, or used by Sony anywhere in the world, in any medium, forever and without attribution or compensation to you. Furthermore, you hereby assign all right, title, and interest in, and Sony is free to use, without any compensation to you, any ideas, know-how, concepts, techniques, or other intellectual property rights contained in the Materials, whether or not patentable, for any purpose whatsoever, including but not limited to developing, manufacturing, having manufactured, licensing, marketing, and selling products using such Materials. However, you agree and understand that Sony is not obligated to use any such ideas, know-how, concepts, or techniques or Materials, and you have no right to compel such use.

TRANSMITTED MATERIAL

Internet transmissions are never completely private or secure. You understand that any message or information you send to Sony may be read or intercepted by others, unless there is a special notice that a particular message (for example, credit card information) is encrypted (sent in code). Sending a message to Sony does not cause Sony to have any special responsibility to you.

DIGITAL RIGHTS MANAGEMENT

Content owners use Windows Media digital rights management technology ("WMDRM") to protect their intellectual property, including copyrights. This Sony Product uses WMDRM software to access WMDRM-protected Content. If the WMDRM software fails to protect the Content, Content owners may ask Microsoft Corporation ("Microsoft") to revoke the Service's ability to use WMDRM to play or copy protected Content. Revocation does not affect unprotected Content. If you download licenses for protected Content, you agree that Microsoft may include a revocation list with the licenses. Content owners may require you to upgrade WMDRM to access their Content. If you decline an upgrade, you will not be able to access Content that requires the upgrade.

ADVERTISEMENTS, SERVICE COMMUNICATIONS

Inclusion of the Service of a Third Party Provider does not mean that Sony approves of, or endorses, or recommends that Third Party Provider or its Content. You understand and agree that the Services and/or Content may include advertisements ("Advertisements"), and that these Advertisements are necessary in order for the Services to be provided. If you use the Sony Entertainment Network service, the SEN and/or PSN Terms of Use/Service and the SEN and/or PSN Privacy Policy for your country will apply and you will be required to agree to them. You understand and agree that use of that service (and other services available through it) as well as other services than those provided by Sony Entertainment Network may result in you receiving or being shown recommendations and/or advertisements, service announcements, administrative messages, news updates and the like which Sony Corporation is not responsible nor liable for. SONY, ITS AFFILIATES, AND ITS THIRD PARTY PROVIDERS DISCLAIM ALL WARRANTIES, EXPRESS OR IMPLIED, AS TO THE ACCURACY, LEGALITY, RELIABILITY, OR VALIDITY OF ANY ADVERTISEMENT, SERVICE COMMUNICATIONS, OR CONTENT, AS WELL AS ANY LIABILITY ARISING UNDER ANY THEORY OF LAW FOR THE ADVERTISEMENTS, SERVICE COMMUNICATIONS, AND CONTENT.

OBJECTIONABLE CONTENT AND RULES FOR MINORS (UNDER AGE 16)

Certain Content may not be suitable for minors or other users. Such Content may or may not be rated or identified as having explicit language, or otherwise being for a mature audience. Therefore, you acknowledge that you are using the Services at your own risk and that Sony has no liability to you for the Content, including any Content that may be offensive. You are responsible for supervising the use of the Sony Product, the Sony Software, Excluded Software, the Services, and the Content by any minor. If you are under the age of 16, you should ask your parent(s) or a guardian before you: (i) e-mail Sony via the Service; (ii) send in any information; (iii) enter any contest or game that requires information about you or offers a prize; (iv) join any club or group; (v) post any information on any bulletin board or enter any chatroom; or (vi) buy anything online.

EXCLUSION OF WARRANTY

YOU UNDERSTAND, ACKNOWLEDGE, AND AGREE THAT THE CONTENT AND SERVICES ARE PROVIDED BY THIRD PARTY PROVIDERS AND/OR SOFTWARE IS PROVIDED BY THIRD PARTIES OVER WHICH SONY HAS NO CONTROL. THE SELECTION, PROVISION, QUALITY, PICTURE SIZE, AND AVAILABILITY OF SUCH CONTENT AND/OR SOFTWARE ARE THE SOLE RESPONSIBILITY OF SUCH THIRD PARTY PROVIDER OR OTHER THIRD PARTY. YOU AGREE TO COMPLY WITH ANY AND ALL TERMS AND CONDITIONS THAT THE THIRD PARTY PROVIDERS MAY SET FOR ITS SERVICE, CONTENT AND/OR SOFTWARE. YOU FURTHER UNDERSTAND, ACKNOWLEDGE, AND AGREE THAT ACCESS, BROWSING, AND USAGE OF THE SERVICES REQUIRES INTERNET SERVICE PROVIDED BY YOU, AND FOR WHICH YOU ARE SOLELY RESPONSIBLE, INCLUDING BUT NOT LIMITED TO THE PAYMENT OF ANY THIRD PARTY FEES (SUCH AS INTERNET SERVICE PROVIDER OR AIRTIME CHARGES) FOR SUCH ACCESS AND FOR DISPLAY OR DELIVERY OF ADVERTISEMENTS INCLUDED WITH THE SERVICES. OPERATION OF THE SONY ENTERTAINMENT NETWORK FEATURE AND THE SERVICE MAY BE LIMITED OR RESTRICTED DEPENDING ON THE CAPABILITIES, BANDWIDTH OR TECHNICAL LIMITATIONS OF YOUR INTERNET SERVICE. SONY, ITS AFFILIATES, AND ITS THIRD PARTY PROVIDERS SHALL HAVE NO RESPONSIBILITY FOR THE TIMELINESS, DELETION, MIS-DELIVERY, OR FAILURE TO STORE ANY USER COMMUNICATIONS OR PERSONALIZED SETTINGS.

THE SONY SOFTWARE AND ACCOMPANYING DOCUMENTATION, THE SERVICES, AND THE CONTENT ARE FURNISHED TO YOU "AS IS" AND WITHOUT WARRANTIES OR CONDITIONS, STATUTORY OR OTHERWISE, OF ANY KIND. SONY, ITS AFFILIATES, ITS THIRD PARTY LICENSORS, AND ITS THIRD PARTY PROVIDERS EXPRESSLY DISCLAIM ALL WARRANTIES AND CONDITIONS, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF NON-INFRINGEMENT, TITLE, MERCHANTABILITY, AND FITNESS FOR A PARTICULAR PURPOSE. SONY, ITS AFFILIATES, ITS THIRD PARTY LICENSORS, AND ITS THIRD PARTY PROVIDERS DO NOT WARRANT THAT THE SONY SOFTWARE OR ACCOMPANYING DOCUMENTATION, THE SERVICES, OR THE CONTENT WILL MEET YOUR REQUIREMENTS OR THAT THE OPERATION OF THE SONY SOFTWARE, THE SERVICES, OR THE CONTENT WILL BE UNINTERRUPTED OR ERROR FREE. FURTHERMORE, SONY, ITS AFFILIATES, ITS THIRD PARTY LICENSORS, AND ITS THIRD PARTY PROVIDERS DO NOT WARRANT OR MAKE ANY REPRESENTATIONS OR CONDITIONS REGARDING THE USE OR THE RESULTS OF THE USE OF THE SONY SOFTWARE, THE SERVICES OR THE CONTENT IN TERMS OF ITS CORRECTNESS, ACCURACY, RELIABILITY OR OTHERWISE. NO ORAL OR WRITTEN INFORMATION OR ADVICE GIVEN BY SONY, ITS AFFILIATES, OR A SONY AUTHORIZED REPRESENTATIVE SHALL CREATE A WARRANTY OR CONDITION, OR IN ANY WAY CHANGE THIS EXCLUSION OF WARRANTY AND CONDITION. SHOULD THE SOFTWARE, MEDIA ON WHICH THE SOFTWARE IS FURNISHED, DOCUMENTATION, THE SERVICES, OR THE CONTENT PROVE DEFECTIVE, YOU (AND NOT SONY OR A SONY AUTHORIZED REPRESENTATIVE) ASSUME THE ENTIRE COST OF ALL NECESSARY SERVICING, REPAIR, OR CORRECTION.

LIMITATION OF LIABILITY

IN NO EVENT WILL SONY (INCLUDING BUT NOT LIMITED TO ANY NEGLIGENCE ISSUES RELATED TO THIRD PARTY LICENSORS OR THIRD PARTY PROVIDERS), ITS AFFILIATES, ITS THIRD PARTY LICENSORS OR ITS THIRD PARTY PROVIDERS BE LIABLE TO YOU FOR ANY SPECIAL, INDIRECT, INCIDENTAL, PUNITIVE, EXEMPLARY, OR CONSEQUENTIAL DAMAGES OF ANY KIND, INCLUDING BUT NOT LIMITED TO COMPENSATION, REIMBURSEMENT OR DAMAGES IN CONNECTION WITH, ARISING OUT OF OR RELATING TO THIS EULA, ON ACCOUNT OF THE LOSS OF USE OF THE SONY PRODUCT, DOCUMENTATION, THE SERVICES, THE CONTENT, DOWN TIME AND YOUR TIME, LOSS OF PRESENT OR PROSPECTIVE PROFITS, LOSS OF DATA, INFORMATION OF ANY KIND, BUSINESS PROFITS, OR OTHER COMMERCIAL LOSS, OR FOR ANY OTHER REASON WHATSOEVER, EVEN IF SONY, ITS AFFILIATES, ITS THIRD PARTY LICENSORS, OR ITS THIRD PARTY PROVIDERS HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. THE SONY SOFTWARE AND ACCOMPANYING DOCUMENTATION, THE SERVICES, AND THE CONTENT ARE FURNISHED TO YOU FOR USE AT YOUR OWN RISK. SONY, ITS AFFILIATES, ITS THIRD PARTY LICENSORS, AND ITS THIRD PARTY PROVIDERS WILL NOT BE LIABLE FOR DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY OR CONDITION, BREACH OF CONTRACT, NEGLIGENCE, STRICT LIABILITY OR ANY OTHER LEGAL THEORY RELATED TO THE SONY SOFTWARE, THE SERVICES, THE CONTENT, OR THIS EULA.

Some jurisdictions may not allow exclusions or limitations of incidental or consequential damages, exclusions or limitations of implied warranties or conditions, or allow limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you.

LIMITED WARRANTY ON MEDIA

In situations where the Sony Software or any part thereof is furnished on media, Sony warrants that for a period of ninety (90) days from the date of its delivery to you, the media on which the Sony Software is furnished to you will be free from defects in materials and workmanship under normal use. This limited warranty extends only to you as the original licensee. Sony's entire liability and your exclusive remedy will be replacement of the media not meeting Sony's limited warranty. ANY IMPLIED WARRANTIES OR CONDITIONS ON THE MEDIA, INCLUDING THE IMPLIED WARRANTIES AND CONDITIONS OF MERCHANTABILITY, TITLE, NON-INFRINGEMENT, AND/OR FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO NINETY (90) DAYS FROM THE DATE OF DELIVERY. SOME JURISDICTIONS DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY OR CONDITION LASTS, SO THESE LIMITATIONS MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM JURISDICTION TO JURISDICTION.

FEES

Sony and its Third Party Providers reserve the right at any time to charge fees for access to new Content or new Services or to portions of the existing Content or Services, or the Services as a whole. In addition, Third Party Providers may charge fees for access to their Content. In no event will you be charged for access to any portion or all of the Content and/or the Services unless Sony and/or a Third Party Provider obtain your prior agreement to pay such charges. If you do not consent to such charges, however, you may not have access to paid Content or Services for which such charges apply.

INTELLECTUAL PROPERTY / NOTICE FOR CLAIMS OF INTELLECTUAL PROPERTY VIOLATIONS AND AGENT FOR NOTICE

Sony respects the intellectual property rights of others, and we ask you to do the same. It is Sony's policy, at its discretion as appropriate, (a) to terminate and/or disable the Content of Third Party Providers or users of the Services who may infringe or repeatedly infringe the copyrights or other intellectual property rights of Sony, its Third Party Providers or others; and/or (b) to forward reports of intellectual property rights violations to Third Party Providers and others for review and action per the terms of such Third Party Provider's procedures for protection of intellectual property rights. The Sony Software and Content are protected by copyright laws and international copyright treaties, as well as other intellectual property laws and treaties. There may be proprietary logos, service marks, trademarks, likenesses, and trade names found in the Sony Software, the Content, or on the Services. By making the Sony Software and Content available on the Services, Sony and the Third Party Providers are not granting you any license to utilize those proprietary logos, service marks, trademarks, likenesses, or trade names. Any unauthorized use of the Sony Software, the Services, or the Content may violate copyright laws, trademark laws, the laws of privacy and publicity, and civil and criminal statutes. All right, title, and interest in and to the Sony Software and the Content, and any and all copies or portions thereof, are owned by Sony, its licensors, Third Party Licensors, suppliers and/or Third Party Providers. All rights not specifically granted under this EULA are reserved by Sony, its licensors, Third Party Licensors, suppliers and/or Third Party Providers.

You are responsible for all your activities hereunder, including all legal liability incurred from access, browsing, or use of the Services by you or by others who use the Services via your Sony Product or Account (as defined in the User Account section). You may use the Sony Software, the Services, and the Content for lawful purposes only. You may not distribute, exchange, modify, sell, or transmit anything you may copy from the Sony Software, the Services, or the Content, including but not limited to any data, text, software, likenesses, photographs, images, graphics, audio, music, sound, video, messages, and tags, for any business, commercial, or public purpose. As long as you comply with the

terms of this EULA, Sony grants you a nonexclusive, nontransferable, limited right to use the Sony Entertainment Network feature to access the Services and the Content as set forth in this EULA. You further agree not to interrupt/disrupt or attempt to interrupt/disrupt the operation of the Sony Software, the Service or the Content in any way.

If you believe your work has been copied in a way that constitutes copyright infringement, or that your intellectual property rights have otherwise been violated, please first contact the Third Party Provider for the particular Service. If you are unable to contact such Third Party Provider, or the content at issue is Sony's, you may contact Sony's Intellectual Property Agent (listed below) with the following information in a written notice: (a) an electronic or physical signature of the person authorized to act on behalf of the copyright or other intellectual property interest; (b) a description of the copyrighted work or other intellectual property that you claim has been infringed; (c) a description of the particular Service and where the material that you claim is infringing is located on such Service, with enough detail that we may find the material; (d) your address, telephone number, and e-mail address; (e) a statement by you that you have a good faith belief that the disputed use is not authorized by the copyright or intellectual property owner, its agent, or the law; and (f) a statement by you, made under penalty of perjury, that the above information in your notice is accurate and that you are the copyright or intellectual property owner or authorized to act on the copyright or intellectual property owner's behalf. Sony's agent for notice of copyright or other intellectual property right infringement is as follows: Intellectual Property Agent, c/o Sony Electronics Inc., 16530 Via Esprillo, San Diego, CA 92127; Facsimile (858) 942-1111; E-Mail IPagent@am.sony.com

INDEMNIFICATION
You agree to indemnify, defend, and hold harmless Sony and all of its agents, directors, officers, employees, information providers, licensors and licensees, affiliates, content providers, and direct and indirect parent(s) (collectively, "Indemnified Parties") from and against any and all liability and costs (including, without limitation, attorneys' fees and costs) incurred by the Indemnified Parties in connection with any claim arising out of (i) any breach or alleged breach by you of this EULA in any manner, (ii) any information you submit to Sony hereunder, (iii) any breach or alleged breach by you of a third party's rights, (iv) any damage caused by or alleged to have been caused by you to the Sony Software, the Services, or the Content. Counsel you select for defense or settlement of a claim must be consented to by Sony and/or Indemnified Party(s) prior to counsel being engaged to represent you and Sony and/or Indemnified Party(s). You and your counsel will cooperate as fully as reasonably required by the Indemnified Party(s) in defense or settlement of any claim. Sony and/or Indemnified Party(s) reserve the right, at its own expense, to assume the exclusive defense or settlement, and control of any matter otherwise subject to indemnification by you. You shall not in any event consent to any judgment, settlement, attachment, or lien, or any other act adverse to the interest of Sony or any Indemnified Party without the prior written consent of Sony and/or Indemnified Party(s).

AUTOMATIC UPDATE FEATURE / MODIFICATION OF EULA AS TO SERVICES
From time to time, Sony or third parties may automatically update or otherwise modify the Sony Software, for example, but not limited to, for purposes of error correction, improvement of features, and enhancement of security features. Such updates or modifications may change or delete the nature of features or other aspects of the Sony Software, including features you may rely upon. You hereby agree that such activities may occur at Sony's sole discretion and that Sony may condition continued use of the Sony Software upon your complete installation or acceptance of such update or modifications. Sony may add to, change, or remove any part, term, or condition of the EULA as it applies to the Sony Software, the Services, and/or the Content at any time without prior notice to you. Any such additions, changes, or removals or any terms posted in the Sony Entertainment Network feature shall apply as soon as they are posted. By continuing to access the Services, the Sony Content Services, the Content, and/or the Sony Content after so posted, you are indicating your acceptance thereto. SONY MAY ADD, CHANGE, DISCONTINUE, REMOVE, OR SUSPEND ANY OF THE SERVICES OR THE SONY CONTENT SERVICES, TEMPORARILY OR PERMANENTLY, AT ANY TIME, WITHOUT NOTICE AND WITHOUT LIABILITY. WITHOUT PREJUDICE TO ANY OTHER RIGHTS, SONY MAY SUSPEND OR TERMINATE THIS EULA AS TO THE SERVICES, THE SONY CONTENT SERVICES, THE CONTENT, AND/OR THE SONY CONTENT IMMEDIATELY UPON NOTICE IF YOU FAIL TO COMPLY WITH THE TERMS AND CONDITIONS OF THIS EULA. Sony may take any legal and technical remedies to prevent violation of and/or to enforce this EULA, including, without limitation, immediate termination of your access to the Services, if Sony believes in its discretion that you are violating this EULA.

HIGH RISK ACTIVITIES
The Sony Software is not fault-tolerant and is not designed, manufactured or intended for use or resale as on-line control equipment in hazardous environments requiring fail-safe performance, such as in the operation of nuclear facilities, aircraft navigation or communication systems, air traffic control, direct life support machines, or weapons systems, in which the failure of the Sony Software could lead to death, personal injury, or severe physical or environmental damage ("High Risk Activities"). SONY, EACH OF THE THIRD PARTY LICENSORS, AND EACH OF THEIR RESPECTIVE AFFILIATES SPECIFICALLY DISCLAIM ANY EXPRESS OR IMPLIED WARRANTY OR CONDITION OF FITNESS FOR HIGH RISK ACTIVITIES.

RESTRICTIONS ON EXPORT OF ENCRYPTION TECHNOLOGY
The Sony Software and the Content may contain encryption technology. You acknowledge that any export of Sony Software or the Content containing encryption technology from the United States or subsequent re-export of such software by a person located outside of the United States requires a license or other authorization from the U.S. Department of Commerce's Bureau of Industry and Security. You further acknowledge that the Sony Software or the Content containing encryption technology and acquired from Sony is not intended for use by a foreign government end user. By accepting this license agreement, you agree to abide by all relevant U.S. export laws and regulations in the purchase and use of the Sony product being acquired, including but not limited to those regulations relating to the export control of cryptographic items and not to transfer, or authorize the transfer, of the Sony Software or the Content to a prohibited country or otherwise in violation of any such restrictions or regulations.

US GOVERNMENT RESTRICTED RIGHTS
The Sony Software is provided with RESTRICTED RIGHTS. Use, duplication or disclosure by the United States Government is subject to restrictions as set forth in subparagraphs (c)(1) and (c)(2) of the Commercial Computer Software clause at FAR 52.227 19, and subparagraph (c)(i)(ii) of the Rights in Technical Data and Computer Software clause at DOD FAR 252.227-7013 and any comparable federal, state or local law or regulation. Manufacturer is Sony Electronics Inc., 16530 Via Esprillo, San Diego, CA 92127.

JURY TRIAL WAIVER
THE PARTIES HERETO WAIVE TRIAL BY JURY WITH RESPECT TO ANY MATTERS ARISING UNDER OR RELATING TO THIS EULA. Any cause of action you may have with respect to the Services must be commenced within one (1) year after the claim or cause of action arises.

ENTIRE AGREEMENT, NOTICE, WAIVER, SEVERABILITY
This EULA, the limited warranty accompanying the Sony Product, Sony's then-current privacy policy, and any additional terms and conditions posted on the Services, together constitute the entire agreement between you and Sony with respect to the Sony Product, the Sony Software, the Services, and the Content. Any notice by Sony hereunder may be made by letter, e-mail, or posting on the Services. The failure of Sony to exercise or enforce any right or provision of this EULA shall not constitute a waiver of such right or provision. If any part of this EULA is held invalid, illegal, or unenforceable, that provision shall be enforced to the maximum extent permissible so as to maintain the intent of this EULA, and the other parts will remain in full force and effect.

THIRD PARTY BENEFICIARIES
Each Third Party Licensor and each Third Party Provider is an express intended third-party beneficiary of, and shall have the right to enforce, each provision of this EULA with respect to the software, service, and content, as applicable, of such party.

TERM
This EULA is effective until terminated. Sony may terminate this EULA immediately if you fail to comply with its terms by giving you notice. In such event, you must destroy the Sony Software and accompanying documentation, and all copies you have made of them. In addition, upon termination you will have no recourse against Sony, its affiliates, its Third Party Licensors, or its Third Party Providers for your inability to use the Sony Software or the accompanying documentation, the Services, or the Content.

DE-REGISTRATION OF YOUR DEVICE
Should you return your Sony Product to its place of purchase, transfer your Sony Product in accordance with this EULA, or if this EULA is terminated, you agree to: (i) de-register the Sony Product by deleting any and all accounts you may have established on or have accessed through the Sony Product; and (ii) reset the Sony Product to its original factory settings. YOU ARE SOLELY RESPONSIBLE FOR MAINTAINING THE CONFIDENTIALITY OF ANY ACCOUNTS YOU HAVE WITH THIRD PARTIES AND ANY USERNAMES AND PASSWORDS ASSOCIATED WITH YOUR USE OF THE SONY PRODUCT.

RESOLVING DISPUTES; ARBITRATION; SMALL CLAIMS WAIVER
This EULA will not be governed or interpreted in any way by referring to any law based on the Uniform Computer Information Transactions Act (UCITA) or any other act derived from or related to UCITA. Further, the United Nations Convention on Contracts for the International Sale of Goods shall not apply to this EULA.

If a Dispute arises, you agree to first give notice to us by contacting Sony Electronics Inc. at 16530 Via Esprillo, San Diego, California 92127, Attn: Legal Department, and engaging in good faith negotiations to attempt to resolve any Dispute for at least 14 days, except that you or Sony (or any of its affiliates) may skip this informal negotiation procedure for Disputes enforcing, protecting, or concerning the validity of intellectual property rights. "Dispute" is defined as any disagreement, cause of action, claim, controversy, or proceeding between you and any Sony entity related to or arising out of the Sony Product, Sony Software, Sony Services & Content or this EULA. Dispute is to be given the broadest possible meaning that will be enforced.

ANY DISPUTE THAT IS NOT RESOLVED THROUGH THE INFORMAL NEGOTIATION PROCESS DESCRIBED ABOVE SHALL BE RESOLVED EXCLUSIVELY THROUGH BINDING ARBITRATION.

To begin arbitration, either you or we must make a written demand to the other for arbitration. The arbitration will take place before a single arbitrator. It will be administered in keeping with the Expedited Procedures of the Commercial Arbitration Rules, and the Supplementary Proceedings for Consumer-Related disputes when applicable ("Rules") of the American Arbitration Association ("AAA") in effect when the claim is filed. You may get a copy of AAA's Rules by contacting AAA at (800) 778-7879 or visiting www.adr.org. The filing fees to begin and carry out arbitration will be shared between you and us, but in no event shall your fees ever exceed the amount allowable by the special rules for Consumers Disputes provided for by AAA, at which point Sony will cover all additional administrative fees and expenses. This does not prohibit the arbitrator from giving the winning party their fees and expenses of the arbitration when appropriate pursuant to the Rules. Unless you and we agree differently, the arbitration will take place in the county and state where you live, and applicable federal or state law shall govern the substance of any Dispute. The Federal Arbitration Act, 9 U.S.C. § 1, et seq., will govern the arbitration itself and not any state law on arbitration. The arbitrator's decision will be binding and final, except for a limited right of appeal under the Federal Arbitration Act. The arbitrator may award declaratory or injunctive relief only in favor of the party seeking relief, and only to the extent necessary to provide relief warranted by that party's individual claim. Any court with jurisdiction over the parties may enforce the arbitrator's decision.

Despite the above, you have the right to litigate any Dispute in small claims court or other similar court of limited jurisdiction in the United States, to the extent the amount at issue does not exceed $15,000, and as long as such court has proper jurisdiction and all other requirements (including amount in controversy) are satisfied.

Despite anything to the contrary in this EULA, you may reject changes made to the binding arbitration provision if: (1) you've already begun authorized use of the Sony Product at the time the change was/is made; and (2) you mail written notice to the address in the immediately preceding paragraph within 30 days after the particular change was/is made. Should such a situation arise, you will still be bound by the Dispute procedures you previously agreed to and existing before the change you rejected was made.

Any Dispute determined not subject to arbitration and not initiated in small claims court will be litigated by either party in a court of competent jurisdiction in either the Superior Court for the County of San Diego or in the United States District Court for the Southern District of California.

Notwithstanding the foregoing to the contrary, either party may initiate litigation immediately with respect to any matter arising out of or in connection with this Agreement for which equitable relief (or an equivalent type of urgent legal relief) is sought. You agree that any violation of or non-compliance with any term or condition this EULA by you will constitute an unlawful and unfair business practice, and will cause irreparable harm to Sony, its affiliates or third party licensors for which monetary damages would be inadequate, and you consent to Sony obtaining any injunctive or equitable relief that Sony deems necessary or appropriate in such circumstances. These remedies are in addition to any other remedies that may be available to Sony under contract, at law or in equity.

FEEDBACK
Should you have any questions concerning this EULA, you may contact Sony by writing to Sony Technical Response Center, 12451 Gateway Boulevard, Fort Myers, Florida 33913, USA.

© 2013 Sony Electronics Inc. All Rights Reserved.

SONY

3-299-071-**08** (1)

Safety and Regulatory Booklet US

Read and understand the contents of this booklet before operating your new TV.

Feuillet de consignes d'utilisation et de sécurité FR

Veuillez lire et vous assurer de comprendre le contenu de ce feuillet avant d'utiliser votre nouveau téléviseur.

Folleto de instrucciones de seguridad ES

Lea y entienda el contenido de este folleto antes de operar su nuevo televisor.

© 2008 Sony Corporation

Important Safety Instructions

1) Read these instructions.
2) Keep these instructions.
3) Heed all warnings.
4) Follow all instructions.
5) Do not use this apparatus near water.

6) Clean only with dry cloth.

7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.

8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong.
The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

11) Only use attachments/ accessories specified by the manufacturer.

12) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/ apparatus combination to avoid injury from tip-over.

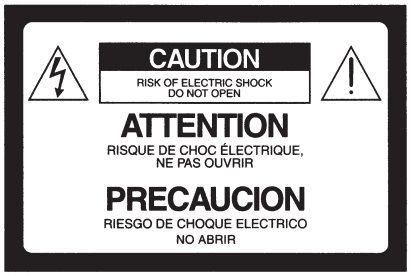
13) Unplug this apparatus during lightning storms or when unused for long periods of time.

14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

Please observe the Additional Safety DOs and DON'Ts to avoid electrical shock, short-circuit, fire, bodily injury or property damage.

WARNING

To reduce the risk of fire or electric shock, do not expose this product to rain or moisture. The product must never be exposed to dripping, splashing, or spilling liquids of any kind.

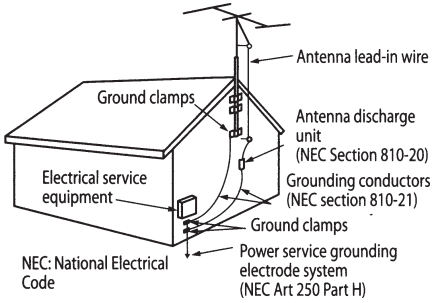


This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.

Outdoor Antenna Grounding



Additional Safety DOs and DON'Ts

US

MOISTURE

- ☐ Do not place liquid filled objects such as a vase or potted plant on the TV.
- ☐ Do not use a power line operated TV set near water; for example, near a bathtub, washbowl, kitchen sink, laundry tub, wet basement or near a swimming pool, etc.
- ☐ Do not install the TV in a location where sulfur is present (e.g., hot springs). This may cause a fire, electric shock or damage to your TV.

CLEANING

When cleaning, be sure to unplug the power cord to avoid any chance of electric shock.

- ☐ Clean the cabinet of the TV with a dry soft cloth.
- ☐ Wipe the LCD screen gently with a soft cloth.
- ☐ Stubborn stains may be removed with a cloth slightly moistened with a solution of mild soap and warm water.
- ☐ Do not spray water or detergent directly on the TV set. It may drip to the bottom of the screen or exterior parts, and may cause a malfunction.
- ☐ If using a chemically pretreated cloth, please follow the instruction provided on the package.
- ☐ Never use strong solvents such as a thinner, alcohol or benzine for cleaning.
- ☐ Periodic vacuuming of the ventilation openings is recommended to ensure to proper ventilation.

VENTILATION

The ventilation openings in the TV are necessary to ensure reliable operation of the TV and to protect it from overheating.

- ☐ Do not block or cover the ventilation openings with cloth or other materials.
- ☐ Never place the TV on a bed, sofa, rug or other similar surface where ventilation openings may be blocked.

☐ Unless proper ventilation is provided, the TV may accumulate dust and cause damage.

☐ Never allow liquid or solid objects to fall into the ventilation openings.

☐ If any liquid or solid object falls inside the TV, unplug the TV immediately and have it checked by qualified service personnel before operating it further.

☐ Never push objects of any kind into the TV through the ventilation openings as they may come in contact with dangerous voltage points or short out parts that could result in a fire or an electric shock.

Allow adequate space around the TV set to ensure proper air circulation.

☐ Never place the TV in a confined space, such as a bookcase or built-in cabinet, unless proper ventilation is provided.

☐ There should be a clearance of at least 11 7/8 inches (30 cm) above the TV set and 4 inches (10 cm) on each side. If mounted on the wall, allow at least 4 inches (10 cm) of clearance at the bottom of the screen. (See additional information provided in the Operating Instructions manual.)

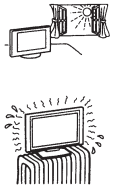
INSTALLATION

The TV should be installed near an easily accessible AC power outlet.

☐ Do not install the TV face up or down, upside down or on its side.

☐ Do not install the TV in hot, humid, excessively dusty places or in areas with oily smoke or steam (e.g., near a stove or humidifier). Fire, electric shock, or warping may occur.

☐ Do not install the TV in places subject to extreme temperature, such as in direct sunlight, near a radiator or a heating vent. The TV may overheat in such conditions which can cause deformation of the enclosure and/or TV malfunction.

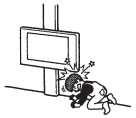


☐ Do not install the TV in a place exposed to direct air conditioning; moisture may condense inside and may cause TV malfunction.

☐ Do not install the TV where it may be exposed to mechanical vibration.

☐ Do not install the TV where insects may enter.

☐ Do not install the TV so that it protrudes into an open space. Injury or damage may result from a person or object bumping into the TV.



☐ To prevent fire keep flammable objects or open flame (e.g. candles) away from the TV.

☐ Do not place optional equipment on top of the TV.

Prevent the TV from toppling over

Take measures to prevent the TV from toppling over and causing injury or damage to the TV and property.

☐ Secure the TV to a wall and/or stand.

☐ Never install the TV on unstable and/or uneven surfaces.

☐ Do not allow children to climb on or play with furniture and TV sets.

☐ Do not install the TV on furniture that can easily be used as steps, such as a chest of drawers.

☐ Care should be taken to install the TV where it cannot be pushed, pulled over, or knocked down.

☐ Care should be taken to route all AC power cords and connecting cables so that they cannot be pulled or grabbed by curious children.

Medical institutions

Do not place this TV in a place where medical equipment is in use. It may cause a medical equipment malfunction.

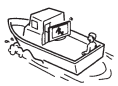
Outdoor use

Do not install this TV outdoors. The TV should not be exposed to rain or direct sunlight in order to avoid damage and possible fire or electric shock.

Do not install this TV in a vehicle, ship or other vessel

☐ Excessive bumping motion of a moving vehicle or continuous swaying motion on a boat may cause the TV to fall down and cause injury.

☐ Exposing the TV to seawater may cause a fire, electric shock or damage to your TV.



Magnetic influence

☐ This TV contains a strong magnet in the speaker unit that generates a magnetic field. Keep any items susceptible to magnetic fields away from the speaker.

☐ Electro-magnetic radiation emitted from optional equipment installed too close to the TV may cause picture distortion and/or noisy sound.

Wall-mount use

☐ Wall-mount installation requires the use of a Wall-Mount Bracket. When installing or removing the TV and the Wall-Mount Bracket, be sure to use qualified contractors. If not properly secured during installation or removal from the Wall-Mount Bracket, the TV may fall and cause serious injury.

☐ Be sure to follow the installation guide supplied with the Wall-Mount Bracket when installing the TV.

☐ Be sure to attach the brackets with the specified parts supplied with the Wall-Mount Bracket.

☐ Do not hang the TV from the ceiling. It may fall and cause serious injury.

☐ Do not hang anything on the TV.

☐ Do not allow children to climb on the TV.

AC POWER CORD

☐ Do not touch the AC power cord and its plug with wet hands as it may cause electric shock.

☐ When disconnecting the AC power cord, grasp the plug and disconnect from the wall outlet first. Do not pull by the cord.

☐ Keep the power cord away from heat sources.

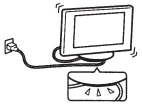
A TV set with a three-wire grounding type AC power cord plug must be connected to an AC power outlet with a protective earthing connection (only applicable for Class I product).

☐ Do not convert or damage the AC power cord.

☐ Consult your electrician to have the outlet changed to suit your TV.

Subjecting the AC power cord to wear and/or abuse can damage the AC power cord and your TV.

☐ Do not place the TV where the power cord can be easily pinched, bent, twisted, or catch your feet.



☐ Do not allow anything to rest on or roll over the cord.

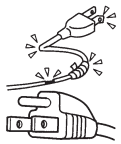
☐ Before connecting cables, be sure to unplug the AC power cord for your safety.

☐ Do not move the TV with the AC power cord (or other cables such as audio and video) connected.

☐ Use only an original Sony AC power cord with your TV; no brand substitution is allowed.

☐ Do not use AC power cord supplied with the TV with any other equipment.

☐ Never use a damaged AC power cord. A damaged AC power cord can cause a short-circuit, which may result in a fire or electric shock.



Do not use a damaged or poorly fitting AC power outlet as your TV's power source.

☐ Insert the plug fully into the outlet. If it is loose, it may cause arcing and result in a fire.

☐ Do not overload the same AC power outlet.

Unplugging the AC power cord from the wall outlet will completely remove power from the TV.

☐ During lightning storms or when the TV is left unattended and unused for extended periods of time, the AC power cord should be unplugged from the wall outlet. This will avoid possible damage to your TV. Also unplug the antenna to prevent damage to the TV.

☐ For energy conservation and safety reasons, practice unplugging the AC power cord from the AC power outlet.

Clean the AC power plug

Unplug the AC power plug and clean it occasionally to avoid dust from accumulating. While cleaning, look for signs of damage. A damaged AC power cord should never be used.

ACCESSORIES

Keep small accessories out of children's reach. Use only the specified accessories with this TV.

Volume Adjustment

- ☐ When using headphones, adjust the volume to avoid excessive audio levels from causing possible hearing loss.

BATTERIES

Your remote control batteries are consumables.

- ☐ Dispose of batteries in an environmentally friendly way. Certain regions may regulate the disposal of batteries. Please consult your local authority.
- ☐ Do not dispose of batteries in a fire.
- ☐ Do not short-circuit, disassemble or overheat the batteries.
- ☐ Batteries must not be exposed to excessive heat such as sunshine, fire or the like.

LCD SCREEN

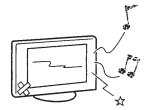
- ☐ Although the LCD screen is made with high-precision technology and has effective pixels of 99.99% or more, black dots or bright points of light (red, blue, or green) may appear constantly on the LCD screen. This is a structural property of the LCD panel and is not a malfunction.
- ☐ The LCD screen is made with high-precision technology and to achieve a high level of performance and picture quality, this TV's backlight setting is set to maximize the brightness of the TV. However, uneven brightness may be observed when the LCD TV is viewed in a dark ambient without an input source or with a blank screen. This condition is normal and not a malfunction of the TV. Changing the Picture mode, Backlight setting, enabling the Light Sensor (if applicable), or turning on the Power Management will improve this condition.
- ☐ To avoid damaging the LCD panel, do not expose the LCD screen to direct sunlight.
- ☐ Do not push or scratch the LCD screen, or place objects on top of the TV. The images may be uneven or the LCD panel may be damaged.
- ☐ If the TV is used in a cold place, the picture may smear or become dark. This does not indicate a failure. These phenomena improve as the temperature rises.
- ☐ Ghosting may occur when still pictures are displayed continuously. It should disappear after a few moments.
- ☐ The LCD screen and enclosure get warm when the TV is in use. This is not a malfunction.
- ☐ Avoid spraying insect repellent with volatile material on the LCD screen.
- ☐ Avoid prolonged contact with rubber or plastic material to the LCD screen.

Broken screen panel

Do not throw anything at the LCD screen and its edges as the impact can cause the LCD screen glass to crack, break or shatter.

- ☐ If damage occurs to the LCD panel, small traces of liquid crystal sandwiched between the glass may be found on scattered broken glass.
- ☐ Do not touch the broken glass with bare hands. As with any broken glass pieces, avoid skin contact and exposure to your eyes or mouth. Avoid direct contact with liquid or damp surfaces of the glass as these may have an adverse effect on some people. The contacted area should be rinsed thoroughly with water. If conditions persist, see your doctor.
- ☐ If the surface of the TV cracks, do not touch the TV until you have unplugged the AC power cord. Otherwise electric shock may result.

SERVICING



Do not use the TV if you suspect the TV is damaged or if the TV is damaged.

- ☐ Do not attempt to service the TV yourself since opening the cabinet may expose you to dangerous voltage levels or other hazards. Refer all servicing to qualified service personnel.
- ☐ If replacement parts are required, acquire a written certification from the service technician which states that adequate replacement parts with the same or similar characteristics as the original parts have been used. Unauthorized substitutions may result in a fire, an electric shock or other hazards.

Safety check

- ☐ Upon completion of any TV servicing or repair, ask the service technician to perform routine safety checks as specified by Sony and to certify that the TV is safe to operate. Have a qualified service technician dispose of the TV if it is not safe to operate.

CAUTION

- ☐ Some people may experience discomfort (such as eye strain, fatigue, or nausea) while watching 3D video images or playing stereoscopic 3D games. Sony recommends that all viewers take regular breaks while watching 3D video images or playing stereoscopic 3D games. The length and frequency of necessary breaks will vary from person to person. You must decide what works best. If you experience any discomfort, you should stop watching the 3D video images or playing stereoscopic 3D games until the discomfort ends; consult a doctor if you believe necessary. The vision of young children (especially those under six years old) is still under development. Consult your doctor (such as a pediatrician or eye doctor) before allowing young children to watch 3D video images or play stereoscopic 3D games. Adults should supervise young children to ensure they follow the recommendations listed above.

3-299-071-**08** (1)

Printed in U.S.A.

SONY®

Garantie protégeant les consommateurs

Sony du Canada ltée (ci-après désignée Sony), sous réserve des modalités et conditions indiquées aux présentes, garantit le présent produit contre tout défaut de fabrication ou de matériaux pour la période de garantie spécifiée. Si un défaut de fabrication ou de matériaux survient pendant la période de garantie spécifiée, Sony veillera à réparer le produit en y effectuant tous les remplacements de pièces nécessaires par des pièces neuves ou remises à neuf et ce, sans frais de pièces ou de main-d'œuvre. À se seule discrétion, Sony peut aussi choisir de remplacer le produit par un produit réusiné de qualité égale ou supérieure. **La présente garantie n'est valide qu'au Canada.**

La période de garantie :
1. Main-d'œuvre : UN AN à compter de la date d'achat originelle au détail.
2. Pièces : UN AN (90 jours pour têtes thermiques et lampes de projecteur) à compter de la date d'achat originelle au détail.
3. Usage commercial ou locatif : QUATRE-VINGT-DIX jours sur pièces et main-d'oeuvre à compter de la date d'achat originelle.

Garantie nulle ou limitée :
La présente garantie limitée est nulle si le produit a été antérieurement transformé, modifié, réparé ou entretenu par quiconque autre que les installations de service autorisées par Sony, si le numéro de série du produit a été modifié ou enlevé, ou si le produit a fait l'objet d'un accident, d'un mauvais usage, d'un abus, d'une calamité naturelle, ou s'il a été utilisé contrairement aux instructions du manuel du propriétaire. Le présent produit n'est pas destiné à l'usage commercial ou locatif. Advenant que le produit soit utilisé à des fins commerciales ou locatives, la garantie commerciale de quatre-vingt-dix de Sony s'appliquera. L'opinion de Sony à cet effet est définitive.

Livraison appropriée pour entretien :
Le produit doit être expédié, port prépayé, ou livré à l'une des installations de service Sony les plus rapprochées au Canada, soit dans son emballage d'origine, soit dans un emballage similaire offrant un degré de protection comparable, et accompagné d'instructions indiquant l'endroit au Canada où le produit doit être retourné. Le produit réparé sera retourné au client port payé. Avant d'expédier ou de livrer le produit pour réparation, tous les accessoires, supports et autres périphériques doivent être retirés du produit, et le consommateur doit effectuer une copie de sécurité de toutes les données et de tous les logiciels. Il est plus que probable que les données et logiciels seront perdus, corrompus ou reformatés lors de l'entretien, et Sony n'est pas responsable des données ou logiciels perdus, corrompus ou reformatés. Si plus d'un produit est envoyé pour réparation, tous les articles doivent être énumérés individuellement sur le bordereau d'expédition pour la documentation d'expédition. Sony n'est nullement responsable de la perte ou des dommages aux articles qui ne figurent pas sur la documentation d'expédition. Les accessoires défectueux doivent être retournés à Sony comme articles à réparer distincts.

Le service à domicile pour les téléviseurs de certaines dimensions peut être disponible à tout client qui habite dans un rayon de 50 km d'une installation de service autorisée Sony, et dont la résidence est accessible à un véhicule de service routier. Rendez-vous à www.fastracservice.ca ou composez le 1-877-899-7669 afin de déterminer si le service à domicile s'applique à votre téléviseur et à l'emplacement de votre résidence.

Preuve de date d'achat :
La présente garantie limitée s'applique au produit à compter de la date d'achat originelle au détail. Par conséquent, le propriétaire doit présenter une preuve de date d'achat originelle au détail pour se prévaloir de la présente garantie. Pour la garantie commerciale, le propriétaire doit présenter une preuve de date d'achat originelle au détail ou d'un distributeur. En ce qui a trait aux acheteurs subséquents, la date à laquelle le premier usager a acquis le produit s'appliquera comme date d'achat originelle.

La présente garantie limitée ne couvre pas les dommages cosmétiques, les boîtiers brisés ou endommagés, les accessoires, les antennes et stylets exposés, les articles consomptibles (comme les piles) fournis avec le produit, la défaillance de pièces découlant de leur usure normale, les dommages causés par l'opération du produit avec de l'équipement ou des accessoires non compatibles, les problèmes de logiciels (consultez l'entente de licence d'usager pour connaître les modalités afférentes aux logiciels; sinon, les logiciels sont fournis « TELS QUELS »), ou les produits vendus « TELS QUELS ». La présente garantie limitée ne couvre pas l'entretien régulier du produit comme le nettoyage, la lubrification ou les vérifications.

Aucune autre garantie; limite et exclusion de responsabilité :
SAUF DANS LA MESURE OÙ LA LOI APPLICABLE L'INTERDIT, TOUTES LES AUTRES GARANTIES ET CONDITIONS, EXPRESSES OU IMPLICITES, RELEVANT OU NON D'UNE LOI, D'UN ACTE LÉGISLATIF, D'HABITUDES COMMERCIALES ÉTABLIES OU D'USAGES DU COMMERCE, Y COMPRIS, SANS S'Y LIMITER, TOUTE GARANTIE IMPLICITE DE QUALITÉ MARCHANDE OU DE L'ADAPTABILITÉ À UNE FIN PARTICULIÈRE, SONT DÉSAVOUÉES. SONY NE SAURAIT EN AUCUN CAS ÊTRE RESPONSABLE D'UN MONTANT SUPÉRIEUR AU PRIX RÉEL D'ACHAT DU PRODUIT; ET SONY NE SAURAIT EN AUCUN CAS ÊTRE RESPONSABLE DE PERTES, DOMMAGES OU CORRUPTION DE DONNÉES, NI DE DOMMAGES SPÉCIAUX, ACCESSOIRES OU CONSÉCUTIFS SUBIS RELATIVEMENT AU PRODUIT. SONY N'ASSUME NI N'AUTORISE AUCUN REPRÉSENTANT OU QUICONQUE À ASSUMER EN SON NOM UNE OBLIGATION OU RESPONSABILITÉ AUTRE QUE CELLES QUI SONT EXPRESSÉMENT DÉCRITES AUX PRÉSENTES.

Enregistrement du produit et soutien de la clientèle :
Nous vous remercions d'avoir choisi un produit Sony. À Sony, nous nous efforçons de créer des produits de la plus haute qualité afin de renforcer votre expérience et votre satisfaction. Afin d'assurer le meilleur soutien qui soit pour votre produit, nous vous demandons de remplir un formulaire d'enregistrement à www.Sony.ca/enregistrement et ce, dans les quatre-vingt-dix (90) jours suivant la date d'achat.

Pour obtenir de l'aide concernant le service, des renseignements sur le produit, l'enregistrement du produit, ou pour localiser une installation de service autorisée, visitez www.fastracservice.ca ou composez le 1-877-899-7669.

Pour obtenir des renseignements concernant la garantie prolongée Sony Care, composez 1-800-773-9667.

Pour obtenir un soutien de produit en ligne et des mises à jour en tout temps, visitez www.sony.ca/fr/support, ou appelez le Centre d'information de la clientèle de Sony au 1-877-899-7669.

SONY

Consumer Warranty

4-460-228-21

Sony of Canada Ltd. (hereinafter referred to as "Sony") hereby warrants, subject to the terms and conditions herein set forth, this product against defects in material and workmanship during the specified warranty period. In the event of a defect of material or workmanship during the specified warranty period, Sony will, without charge for parts or labour, either repair the product, effecting all necessary parts replacements with either new or refurbished parts, or at Sony's sole discretion, replace the product with a refurbished product of equal or better quality. **This limited warranty is valid only in Canada.**

The Warranty Period:
1. Labour: ONE YEAR from the date of original purchase at retail.
2. Parts: ONE YEAR (thermal head and projector lamp: 90 days) from the date of original purchase at retail.
3. Commercial or Rental Use: NINETY DAYS parts and labour from the date of original purchase.

Void or limited warranty:
This limited warranty is void if the product has been previously altered, modified, repaired or serviced by anyone other than the service facilities authorized by Sony, if the serial number on the product has been altered or removed, or if the product has been subject to accident, misuse, abuse, acts of God or operated contrary to the instructions contained in the Owner's Manual. This product is not intended for commercial or rental use. Should this product be used for commercial or rental use, Sony's standard ninety day commercial warranty will apply. The opinion of Sony with respect to these matters shall be final.

Proper Delivery for Service:
The product must be shipped, freight prepaid, or delivered to one of the nearest Sony service facilities in Canada in either its original package or similar package affording an equal degree of protection, and with instructions indicating a location within Canada to which the product should be returned. The repaired product will be returned to customer freight prepaid. Prior to shipping or delivering the product for repair, all accessories, media and other attachments should be removed from the product and all data and software must be backed up. It is likely that stored data and software will be lost, corrupted or reformatted in the course of service and Sony will not be liable for lost, corrupted or reformatted data or software. If more than the product is sent for repair, all items must be listed individually on the packing slip for the shipping documentation. Sony shall have no liability whatsoever for loss or damage to items that are not listed on the shipping documentation. Defective accessories should be returned to Sony as a separate repair item.

On-site service for televisions of certain dimensions may be available to a customer living within a 50km radius of an authorized Sony service facility, provided the residence can be accessed by an on-road service vehicle. Please go to www.fastracservice.ca or call 1-877-899-7669 to determine if on-site service applies to your television and residential location.

Proof of Original Purchase:
This limited warranty applies to the product from the date of original purchase. Therefore, the owner must furnish proof of original purchase at retail for the consumer warranty. For the commercial warranty, the owner must furnish proof of original purchase at retail or from a distributor. For subsequent purchasers, the date the first user acquired the product will apply as the original purchase.

This limited warranty does not extend to cosmetic damage, broken or damaged casing, accessories, exposed antennas and styluses, consumable items (such as batteries) provided with the product, parts wearing out due to normal wear and tear, damage caused by operation of the product with incompatible equipment or attachments, software issues (consult the End-User License Agreement for software terms and conditions, otherwise software is provided "AS IS") or to products sold "AS IS". This limited warranty does not cover regular product maintenance such as cleaning, lubrication or evaluation.

No Other Warranties; Limitation and Exclusion of Liability:

EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ALL OTHER WARRANTIES AND CONDITIONS, EXPRESS OR IMPLIED, AND WHETHER ARISING BY LAW, BY STATUTE, BY COURSE OF DEALING OR USAGE OF TRADE, INCLUDING WITHOUT LIMITATION IMPLIED WARRANTIES OF MERCHANTABILITY, MERCHANTABLE QUALITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. UNDER NO CIRCUMSTANCES SHALL SONY BE LIABLE FOR AN AMOUNT GREATER THAN THE ACTUAL PURCHASE PRICE OF THE UNIT, FOR ANY LOSS, DAMAGE OR CORRUPTION OF DATA, OR FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES SUSTAINED IN CONNECTION WITH SAID UNIT AND SONY NEITHER ASSUMES NOR AUTHORIZES ANY REPRESENTATIVE OR OTHER PERSON TO ASSUME FOR IT ANY OBLIGATION OR LIABLILITY OTHER THAN SUCH AS IS EXPRESSLY SET FORTH HEREIN.

Product Registration and Customer Support:
Thank you for choosing a Sony product. At Sony, we strive to create products of the highest quality to enhance your experience and enjoyment. To provide the best support for your product, we request that you complete a product registration form at www.Sony.ca/registration within ninety (90) days of purchase.

For service assistance, product information, product registration or to locate an authorized service facility please go to www.fastracservice.ca, or call: 1-877-899-7669.

For information about a Sony Care Extended Warranty, please call 1-800-773-9667.

For online product support and updates at any time, please visit: www.sony.ca/support, or call the Sony Customer Information Centre at 1-877-899-7669.

Printed in U.S.A.

SONY

LCD Television 12M

LIMITED WARRANTY (U.S. ONLY)

SONY ELECTRONICS INC. ("SONY") warrants this product against defects in material or workmanship for the original and any subsequent end user owner(s) ("You" or "Your") for the time periods and as set forth below when purchased directly from Sony or a Sony Retailer. Under this Limited Warranty, SONY will, at its option, (i) repair the product using new or refurbished parts or (ii) replace the product with a new or refurbished product. "Refurbished" means a product or part that has been returned to its original specifications. **These are Your exclusive remedies**. SONY does not warrant that the operation of the product will be uninterrupted or error-free.

Term: One (1) year from the original date of purchase of the product (or ninety (90) days from original date of purchase for commercial use). This Limited Warranty is transferable. However, any transfer of this product does not extend the term. **A copy of the dated receipt from Sony or a Sony Retailer or bill of sale from the original end user purchase is required to determine coverage. Online auction confirmations are not accepted for warranty verification**.

Product Coverage: Only the hardware components packaged with the Product are covered. Technical assistance for hardware or software usage and any software products are not covered. Any software is provided "AS IS" unless expressly provided for in any enclosed software Limited Warranty. When a product or part is exchanged, the original item becomes SONY's property. Any replacement product provided under this limited warranty may vary in the color and/or cosmetic design from the original product and may not include any original engraving or similar customization.

Instructions: You must contact SONY or an authorized servicer prior to returning any product for warranty service. SONY will not reimburse You for service performed by others. Unless otherwise instructed by SONY or an authorized servicer, You must deliver the product, freight prepaid, in either its original packaging or packaging affording an equal degree of protection to the facility specified by SONY.

For specific instructions on obtaining warranty service for your product,

Visit SONY's Web Site: www.sony.com/support
Or call the Sony Customer Information Service Center
1-800-222-SONY (7669)
For an accessory or part not available from Your authorized dealer, call:
1-800-488-SONY (7669)

If You purchased an extended service plan, please refer to the service plan for the coverage, duration and terms of service as they are not governed by this Limited Warranty.

Repair/Replacement Warranty: This Limited Warranty shall apply to any repair, replacement part or replacement product for the remainder of the original Limited Warranty period or for ninety (90) days, whichever is longer.

(See reverse for additional terms and conditions.)

Printed in USA

Limitations: This Limited Warranty only covers product issues caused by defects in material or workmanship during ordinary consumer use; it does not cover product issues caused by any other reason, including but not limited to, (i) product issues due to acts of God or nature; (ii) misuse; (iii) accidental damage, including but not limited to, contact with liquid, extreme heat or foreign material; (iv) customer instruction, installation, set up adjustments or signal reception issues; (v) limitations of technology; (vi) modification of or to any part of the SONY product, including the antenna; (vii) cosmetic damage; (viii) use or installation inconsistent with the owner's manual and other SONY instruction; (ix) use of parts or peripherals not recommended by SONY; damage caused by servicing not authorized by SONY or third-party calibration; or (x) damage caused by computer or internet viruses, bugs, worms, Trojan Horses or cancelbots; or products purchased from other than Sony or a Sony Retailer. To determine if a retailer is part of the Sony Retailer Network, please contact Sony's Customer Service Call Center or go to **www.sonystyle.com/retailernetwork**. This Limited Warranty does not cover up to .01% pixel outages (small dot picture elements that are dark or incorrectly illuminated). A Display contains hundreds of thousands of individual pixels. Displays typically contain a small number of pixels that do not function normally.

This Limited Warranty does not cover SONY products sold "AS IS", "Open Box", "WITH ALL FAULTS" or similar notations and does not cover consumables (such as fuses or disposable batteries). SONY will not replace missing components from any package purchased "AS IS", "Open Box" or through an online auction. This Limited Warranty is invalid if the factory-applied serial number has been altered or removed from the product. This Limited Warranty is valid only on products purchased and located in the United States (excluding territories) or United States military facilities.
SONY specifically does not represent that it will be able to repair any product under this warranty or make a product exchange without risk to or loss of programs or data.

LIMITATION ON DAMAGES: SONY SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT NOR SHALL RECOVERY OF ANY KIND AGAINST SONY BE GREATER THAN THE PURCHASE PRICE OF THE PRODUCT.

DURATION OF IMPLIED WARRANTIES: EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY. WITH RESPECT TO COMMERCIAL PURCHASERS, ALL IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE EXCLUDED AND DISCLAIMED.

Some states do not allow the exclusion or limitation of incidental or consequential damages, or allow limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to You. This Limited Warranty gives You specific legal rights and You may have other rights which vary from state to state.

No Sony reseller, agent or employee is authorized to make any modification, extension or addition to this warranty.